

Green River College Catalog

2025-2026



Disclaimers

Accuracy in Publication

Green River College has made reasonable efforts to provide information in this catalog that is accurate at the time of publication. However, the college reserves the right to make appropriate changes in procedures, policies, calendars, requirements, programs, courses and fees. When feasible, changes will be announced prior to their effective dates, but the college assumes no responsibility for giving any particular notice of such changes.

Limitation of Liability

The College's total liability for claims arising from a contractual relationship with the student in any way related to classes or programs shall be limited to the tuition and expenses paid by the student to the college for those classes or programs. In no event shall the college be liable for any special, indirect, incidental, or consequential damages, including but not limited to, loss of earnings or profits.

Jeanne Clery Statement: Notice of Availability of Annual Security and Fire Safety Report:

In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act of 1998, and as a part of the College's commitment to safety and security on campus, Green River College reports the mandated information about current campus policies concerning safety and security issues, the required statistics, and other related information for the past three (3) calendar years. Green River College's Annual Safety and Fire Report is available online at: www.greenriver.edu/CleryASFR

To obtain a paper copy of the report, please visit the Green River College Campus Safety Department located in the Student Affairs and Success Center at 12401 SE 320th Street, Auburn, WA 98092.

Nondiscrimination Statement:

Green River College does not discriminate on the basis of race, color, national origin, sex, sexual orientation, disability, marital status, religion, age or any other unlawful basis in its programs and activities. Please see College Policy HR-22. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Vice President for Human Resources, 12401 SE 320th Street, Auburn, WA 98092, (253) 288-3320. To receive this information in an alternate format, please contact Disability Support Services at 253-931-6460; TTY (253) 288-3359.

Disability Support Services Statement:

Green River College is committed to providing equal access to education for all students. Students who have a disability or believe they may have a disability are invited to contact Disability Support Services as soon as possible to determine eligibility and/or request accommodations.

Accommodations are determined on a case-by-case basis. Please contact Disability Support by email at dss@greenriver.edu; by phone at 253-931-6460; TTY 253-288-3359; or in person at the Student Affairs and Success Center, Room 210, to request accommodations. For additional information, please visit www.greenriver.edu/dss.

The accommodations authorized on your forms should be discussed with your instructor. All discussions will remain confidential. Accommodations are not provided retroactively, so it is essential to discuss your needs at the beginning of the quarter. Additionally, only accommodations approved by Disability Support Services will be provided.

Table of Contents

Disclaimers	2
Accuracy in Publication	2
Limitation of Liability	2
Jeanne Clery Statement: Notice of Availability of Annual Security and Fire Safety Report:.....	2
Nondiscrimination Statement:	2
Disability Support Services Statement:	3
Academic Calendar 2025-2026	15
Welcome	17
Land Acknowledgment	17
Welcome	17
Green River College Board of Trustees	18
About Green River College	19
Equity-Centered Strategic Plan.....	20
Vision Statement	20
Mission Statement.....	21
Strategic Plan Goals	21
Core Values	22
Accreditation.....	23
Specialized Program Accreditation.....	24
Getting Started	26
Getting Started	26
Admissions Information	26
Placement Information	28
Money For College	28
Veteran and Military-Connected Student Information	33
Advising	36
Enrollment	38
College Costs	41
Withdrawal and Refund Rules.....	47
Student Resources.....	51
Student Resources.....	51

Academic Information.....	66
Academic Opportunities.....	66
College Opportunities	70
Important Academic Information	72
Transfer Credit Information	78
Advanced Credit Information	79
Graduation Information.....	98
Graduation Information	98
Degree Exception	99
Graduation Awards.....	99
University Transfer	102
Articulation Agreements.....	102
Associate in Arts Direct Transfer Agreement (AA-DTA).....	103
Major Related Programs	108
Associate in Biology DTA/MRP	108
Associate in Business DTA/MRP.....	109
Associate in Math Education-DTA/MRP	109
Associate in Pre-Nursing DTA/MRP	110
Associate in Computer Science DTA/MRP	111
Associate of Science Transfer Degree Track 1: Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, and Earth Science	111
Associate of Science Transfer Degree Track 2: Engineering, Computer Science, Physics, and Atmospheric Sciences.....	112
Engineering AS-T Track 2 MRP	113
Distribution Lists	114
Transfer Rights and Responsibilities.....	114
Student Rights and Responsibilities	114
College and University Rights and Responsibilities	114
Washington 45 - List of One Year Transfer Courses.....	115
Professional and Technical	117
Bachelors in Applied Science (BAS).....	117
Associate in Applied Science-Transfer Degree (AAS-T).....	118
Associate in Applied Arts Degree (AAA) and Associate in Applied Science Degree (AAS)	119

Professional/Technical Certificate (Cert)	120
Short Term Certificates	120
Related Instruction Requirements	121
Other Learning Options	122
High School Equivalency Test Certificate (HSE)	122
High School Diploma (HSD)	122
Course Articulation Policy	126
Course Options for Meeting Diploma Requirements	126
Programs of Study	127
Transfer Associate Degrees	127
Associate in Arts Degree, AA-DTA	127
Associate in Biology, DTA/MRP	131
Associate in Business, AB-DTA/MRP	134
Associate in Computer Science, ACS-DTA/MRP	140
Associate in Fine Arts, AFA	143
Associate in Math Education, AM-DTA/MRP	150
Associate in Pre-Nursing, APreN-DTA/MRP	153
Associate in Science Transfer Track 1-Biology, Environmental Science, Chemistry, Geology, Earth Science, AST-1	161
Associate in Science Transfer Track 2-Engineering, Physics, Atmospheric Science, AST-2	166
Associate in Science Transfer Track 2/MRP-Bioengineering and Chemical Engineering, AST-2/MRP	169
Associate in Science Transfer Track 2/MRP-Civil and Mechanical Engineering, AST- 2/MRP	173
Associate in Science Transfer Track 2/MRP-Computer and Electrical Engineering, AST-2/MRP	176
Bachelors of Applied Science Degree	180
Accounting, BAS	180
Aeronautical Science, BAS	184
Applied Management, BAS	187
Bachelor of Science in Nursing	190
Early Childhood Education: Infant and Child Mental Health, BAS	195
Information Technology-Advanced Network Administration and Security Certificate	199

Information Technology-Cybersecurity and Networking, BAS	201
Information Technology-Software Development, BAS	204
Marketing and Entrepreneurship, BAS	208
Natural Resources-Forest Resource Management, BAS	212
Realtime Reporting: Court Reporting & Captioning, BAS	215
Associate in Applied Arts Degree	220
Accounting, AAA.....	220
Administrative Assistant, AAA.....	223
Business Applications Specialist, AAA.....	225
Business Management, AAA	228
Legal Administrative Assistant, AAA	232
Medical Office Administration, AAA	234
Realtime Transcription, AAA.....	238
Associate in Applied Science Degree	241
Automotive Technology, AAS	241
Aviation Technology - Unmanned Aerial Systems, AAS.....	244
Aviation Technology, AAS	246
Carpentry Technology-Residential and Light Commercial, AAS.....	249
Early Childhood Education, AAS.....	252
Machining and Manufacturing Technology, AAS.....	254
Mechatronics Technician, AAS	257
Natural Resources-Forestry, AAS.....	259
Natural Resources-Geographic Information Systems, AAS	262
Natural Resources-Park Management, AAS	264
Natural Resources-Water Quality, AAS	267
Natural Resources-Wildland Fire, AAS	270
Occupational Therapy Assistant, AAS	273
Physical Therapist Assistant, AAS	278
Practical Nursing, AAS	281
Wastewater Technology, AAS	288
Water Supply Technology, AAS.....	290
Welding Technology, AAS	292
Associate in Applied Science Degree-Transfer.....	295

Criminal Justice, AAS-T	295
Criminal Justice-Forensic, AAS-T	297
Cybersecurity and Networking, AAS-T	300
Written Communication	301
Data Analytics and Software Development, AAS-T	302
Early Childhood Education and Diversity Studies, AAS-T	305
Early Childhood Education Paraeducator, AAS-T	308
Mechatronics Theory and Application, AAS-T	311
Natural Resources, AAS-T	313
Certificates	317
Accounting Certificate	317
Accounting Clerk Certificate	318
Administrative Assistant Certificate	319
Administrative Assistant-Data Entry Certificate	322
Administrative Assistant-File Clerk Certificate	322
Administrative Assistant-Office Support 1 Certificate	323
Administrative Assistant-Office Support 2 Certificate	324
Administrative Assistant-Records Information Clerk Certificate	324
Aerospace and Advanced Manufacturing: Principles of Precision Machining 1 Certificate	325
Aerospace and Advanced Manufacturing: Principles of Precision Machining 2 Certificate	326
Automotive Brakes, Steering and Suspension Certificate	327
Automotive Electrical Systems Certificate	327
Automotive Engine Performance Certificate	328
Automotive Heating and Air Conditioning Certificate	329
Automotive Transmission and Transaxle Certificate	330
Aviation Technology - Air Traffic Controller Certificate	331
Aviation Technology - Airline Dispatcher Completion Certificate	332
Aviation Technology - Aviation Operations Management Certificate	333
Aviation Technology - Basic Aviation Knowledge Certificate	334
Aviation Technology - Unmanned Aerial Vehicles Cyber Security Certificate	335
Aviation Technology - Unmanned Aerial Vehicles Digital Photography Certificate ...	336
Business Applications for Small Business Certificate	337

Business Applications Specialist Certificate	338
Business Management-Business Analytics Certificate	342
Business Management-Business Foundations Certificate	343
Business Management-Entrepreneurship Certificate	344
Business Management-Management and Supervision Certificate	346
Business Management-Marketing and Sales Certificate	347
Business Management-Retail Management Certificate	348
Cardiac Monitor/Electrocardiography (EKG) Technician Certificate	350
Carpentry Technology Certificate.....	351
Carpentry Technology Pre-Apprenticeship Certificate.....	352
Carpentry Technology-Concrete Forming and Placement Certificate.....	353
Carpentry Technology-Framing Level 1 Certificate	354
Carpentry Technology-Framing Level 2 Certificate	354
Carpentry Technology-Residential Interior and Exterior Finish Certificate.....	355
Court Reporting & Captioning-Scopist/Text Editor Certificate	356
Criminal Justice -Corrections Certificate	357
Criminal Justice-Forensic and Fingerprint Certificate	358
Criminal Justice-Law Enforcement Certificate.....	360
Early Childhood Education (Statewide) Certificate	361
Early Childhood Education (Statewide) Initial Certificate.....	363
Early Childhood Education Certificate of Specialization Administration (Statewide) Certificate	363
Early Childhood Education Certificate of Specialization-Family Child Care (Statewide) Certificate	364
Early Childhood Education Certificate of Specialization-General (Statewide) Certificate	366
Early Childhood Education Certificate of Specialization-Home Visiting and Family Engagement (Statewide) Certificate	367
Early Childhood Education Certificate of Specialization-Infants and Toddlers (Statewide) Certificate	368
Early Childhood Education Certificate of Specialization-Outdoor Learning for Young Children (Statewide) Certificate	369
Early Childhood Education Certificate of Specialization-School Age Care (Statewide) Certificate	370
Early Childhood Education Paraeducator Initial Certificate	372

Early Childhood Education Paraeducator State Certificate	372
Emergency Room and Patient Care Technician Certificate.....	374
Information Technology-Cloud Fundamentals Certificate.....	376
Information Technology-Fundamentals Certificate	377
Information Technology-Scripting Fundamentals Certificate	377
Information Technology-Security Fundamentals Certificate	378
Machining and Manufacturing - Additive Manufacturing Technology Certificate	379
Machining and Manufacturing Technology Certificate	380
Maintenance Mechatronics 1 Certificate	382
Maintenance Mechatronics 2 Certificate	382
Medical Assistant Phlebotomy Certificate	383
Medical Coding and Reimbursement Specialist Certificate	384
Medical Front Office Certificate.....	388
Medical Office Manager Certificate	390
Medical Office Support Certificate.....	391
Nurse Assistant Certificate.....	392
Wastewater Technology-Municipal Wastewater Treatment Technology Certificate..	394
Water Distribution Technology Certificate	395
Welding Technology - Advanced Arc Welding Certificate.....	396
Welding Technology - Basic Arc and Flame Certificate.....	397
Welding Technology - Intermediate Arc and Flame Certificate.....	398
High School Diploma.....	400
High School Diploma, HSD	400
Course Descriptions	410
Accounting	410
American Ethnic Studies	429
Anthropology.....	438
Anatomy and Physiology	456
Arabic.....	461
Art	465
Astronomy.....	500
Automotive Technology	501
Aviation	512

Aviation - Flight	558
Aviation - Simulation	565
Basic Education	578
Biology	582
Business Management.....	599
Business Technologies & Administrative Careers	634
Cardiac Monitor.....	706
Carpentry Technology	710
Chemistry.....	723
Chinese.....	735
Communication Studies	739
Computation.....	756
Court Reporting and Captioning	757
Computer Science.....	816
Cooperative Education	825
Criminal Justice.....	826
Dance	843
Drama	846
Early Childhood Education	862
Economics	921
Education	924
Emergency Room and Patient Care Technician	942
Engineering.....	945
English	957
English Language Learning.....	1003
English Language Learning-Online	1123
Environmental Science.....	1145
Film	1147
French.....	1152
Geography	1159
Geology.....	1165
German	1175
Health	1180

Health Education.....	1183
Health Science.....	1186
High School Completion.....	1188
History.....	1190
Humanities.....	1210
Integrated Basic Education and Skills Training.....	1213
Integrated Basic Education and Skills Training-Open Doors.....	1260
Industrial Education.....	1265
Information Literacy.....	1269
Information Technology.....	1271
Japanese.....	1293
Journalism.....	1299
Latin American Studies.....	1316
Machining and Manufacturing Technology.....	1322
Mechatronics Technician.....	1337
Management.....	1343
Mathematics.....	1368
Music.....	1395
Natural Resources.....	1439
Natural Science.....	1496
Nursing.....	1496
Nursing, BSN.....	1513
Nursing Assistant.....	1557
Nutrition.....	1560
Occupational Therapy Assistant.....	1561
Oceanography.....	1615
Philosophy.....	1616
Phlebotomy.....	1634
Photography.....	1638
Physical Education.....	1645
Physical Therapist Assistant.....	1676
Physics.....	1719
Political Science.....	1730

Practical Nursing	1741
Prior Learning Assessment	1769
Psychology.....	1770
Reading.....	1778
Social Science.....	1779
Sociology	1780
Software Development	1794
Spanish	1812
Study Skills	1826
Transitional Studies.....	1829
Transitional Studies-Open Doors	1858
Wastewater Technology	1881
Water Supply Technology	1890
Water Technology	1898
Welding	1907
Distribution Lists.....	1918
Humanities/Fine Arts/English Distribution Course List	1918
Performance/Skills Courses.....	1921
Social Science Distribution	1923
Natural Science	1925
List A.....	1925
List B.....	1927
Diversity Requirement	1927
Important Phone Numbers	1930
Offices	1930
Fax (Office of the Registrar)	1931
For Information or to Contact Us.....	1931
Website	1932
Campus Visits.....	1932
Catalogs	1932
Faculty and Administration	1933
Glossary.....	1945
Appendix A: Course Options for Meeting Diploma Requirements.....	1951

Appendix B: Chart of Flight Fees.....	1955
Campus Map.....	1957

Academic Calendar 2025-2026

Summer Quarter

2255

CLASSES BEGIN

July 1 (T)

Independence Day Holiday (campus closed)

July 4 (F)

LAST DAY OF THE QUARTER (8-week session)

August 21 (Th)

Labor Day Holiday (campus closed)

September 1 (M)

LAST DAY OF THE QUARTER (10-week session)

September 4 (Th)

Fall Quarter

2257

CLASSES BEGIN

September 22 (M)

Faculty In-Service Day (no daytime classes)

October 13 (M)

Professional Day (no daytime or evening classes)

November 7 (F)

Advising Day (no daytime and evening classes)

October 29 (W)

Veteran's Day Holiday Observed (campus closed)

November 11 (T)

Thanksgiving Holiday (campus closed)

November 27-28 (ThF)

Study Day (no daytime classes)

December 8 (M)

Final Exams

December 9-11 (TWTh)

LAST DAY OF THE QUARTER

December 11 (Th)

Christmas Day (campus closed)

December 25 (Th)

Winter Quarter

2261

New Year's Day Holiday (campus closed)

January 1 (Th)

CLASSES BEGIN

January 5 (M)

Martin Luther King Jr. Holiday (campus closed)

January 19 (M)

Faculty In-Service Day (no daytime classes)

January 22 (Th)

Advising Day (no daytime or evening classes)	February 3 (T)
President's Day Holiday (campus closed)	February 16 (M)
Professional Day (no daytime or evening classes)	March 6 (F)
Study Day (no daytime classes)	March 20 (F)
Final Exams	March 23-25 (MTW)
LAST DAY OF THE QUARTER	March 25 (W)
Spring Quarter	2263
Campus In-Service Day (no daytime classes)	March 26 (Th)
CLASSES BEGIN	April 6 (M)
Advising Day (no daytime or evening classes)	April 30 (Th)
Memorial Day Holiday (campus closed)	May 25 (M)
Study Day (no daytime classes)	June 16 (T)
Final Exams	June 17-18 & 22 (WThM)
LAST DAY OF THE QUARTER	June 22 (M)
Commencement	TBD
Juneteenth Holiday (campus closed)	June 19 (F)

Welcome

Land Acknowledgment

We acknowledge we are gathered upon the ancestral lands of the Seattle area's Federally Recognized Indian Tribe - the Muckleshoot Indian Tribe, who historically lived throughout the areas between the Cascade Mountains and Puget Sound, what is also known as the Salish Sea. Muckleshoot is party to both the Medicine Creek and Point Elliot Treaties. These treaties reserve governmental rights to the Muckleshoot people and recognize their "Usual and Accustomed Territory", where they hunt, fish, gather, trade, govern, and live. These areas include DiDelaliV, (Dz-zah-lah-luch), what is now known as the city of Seattle and surrounding region. * DiDelaliV, (Dz-zah-lah-luch)- is the traditional Muckleshoot place name for Seattle and means: the shaking ground place.

Today Muckleshoot celebrates and honors their culture by practicing and preserving their traditional language and heritage. They're also educating their youth, and providing housing, healthcare, elder programs, Veteran's resources, and many other vital programs to their members.

As the second largest employer in South King County, Muckleshoot directly or indirectly supports thousands of jobs in this region and spends millions of dollars annually on hundreds of charitable and community contributions.

Muckleshoot remains a strong Sovereign Nation and are invaluable contributors to our state history, identity, economy, and culture.

- Muckleshoot Indian Tribe (2021)

Welcome

Welcome to Green River College! On behalf of our faculty, staff, and administrators, I want to thank you for considering Green River College as your educational partner and the pathway to your educational and career goals. We look forward to working with you each step of the way!

Green River College is a place that empowers all students from diverse backgrounds to navigate their educational and career pathways. Whether your goal is career and technical training, academic transfer, gaining skills to enhance your current employment opportunities, or enriching your life through life-long learning, we have a place for you at Green River College. Our College is known for student engagement, student-faculty interactions and supportive learning environments. We provide a caring, supportive and nurturing learning community where dedicated and knowledgeable faculty and staff are committed to your future and success.

For over 50 years, Green River College has had a tremendous impact on our vibrant surrounding communities serving the citizens, local industry and above all else, the students of South King County. As our community has globally expanded Green River College has become a top destination for many international students. Our College's success is demonstrated through the thousands of students who find a home at Green River College every year and successfully go on to achieve their educational and career goals for employment both inside and outside the state of Washington. I know that you can be part of this story of success as we support you to achieve your dreams.

I invite you to visit our beautiful campus. Take a tour to see our classrooms and hands-on laboratory and training facilities. Talk to our students and dedicated staff and faculty to experience our wonderful learning community. With campuses in Auburn, Enumclaw and Kent, there is a branch of Green River College is close to home and ready to provide you with the pathway you seek.

To learn more about the College and services for students, program and career opportunities please visit and explore our website at: www.greenriver.edu. While at our website schedule an on-campus visit. We are eager to meet you!

Best wishes for your success with your future educational, career, and personal goals.



Pictured: Dr. Suzanne Johnson, President

Green River College Board of Trustees

The Board of Trustees for Green River College is composed of influential community members who reside within the college's District 10 service area. Trustees are volunteers who serve a five-year term, by appointment of the Governor.

Trustees bring a rich diversity of backgrounds and skills to the governance of Green River College. They serve as an important communication link between the college and the community. All trustees sit as members of the Trustees Association of Community and Technical Colleges. This association is comprised of trustees from the 34 community and technical colleges statewide.

The Green River Board of Trustees meets every third Thursday of the month on campus in the board room of the Zgolinski Center. These monthly meetings are open to the public. To learn more about the Green River Board of Trustees, visit: www.greenriver.edu/campus/board-of-trustees/.



Pictured (left to right): Board Chair Sharonne Navas, Vice Chair Elaine Chu, Trustee Jennifer Ramirez Robson, Trustee Arlene Pierini, Trustee Jackie Boschok

About Green River College

Green River College is a public two-year college where students from all over the world come together to learn, grow, and enrich their lives. Green River's main campus, founded in Auburn's Lea Hill neighborhood in 1965, stretches over 180 acres of beautifully forested land. Branch campuses, located in downtown Auburn, Kent, and Enumclaw, bring the college's unique educational experiences to local communities. The main campus location includes 14 instructional buildings with 147 classrooms/labs; the Auburn Center has 14 classrooms/labs; Kent has 31 classrooms/labs; and Enumclaw has six classrooms/labs. All locations have study areas for students to gather and the main campus has two large open lab computer areas in the Holman Library and the Technology Center. There is also a designated quiet study area available in the Holman Library. The median age of Green River students is 27. More than 10,000 students, both full and part-time, attend Green River annually.

At Green River, students can choose from a wide variety of transfer degrees to four-year colleges and universities, Bachelor of Applied science degrees, more than 40 career and technical programs, pre-college and basic skills and continuing education programs. Top transfer programs include business, engineering, and liberal arts, as well as offering a wide variety of other majors in sciences, humanities and social sciences. Our career and technical programs typically work with their advisory committees to identify needs to keep labs current with industry standards. If any needs are identified, the programs then work with campus departments to evaluate the scope and funding sources that may be available to keep instructional facilities up to date. There is also a program review process which allows programs to identify future needs.

Green River has its own student housing complex. Students enjoy a convenient, on-campus location with comfortable, high-quality facilities, an excellent study environment, and an opportunity to get involved and make friends in a supportive community.

Students at Green River are encouraged to get involved and fully engage in the college experience. Many student clubs and organizations are available including musical, athletic, cultural, educational, and degree-specific opportunities.

Strong academics, solid student services, a diverse and lively campus community and state-of-the-art facilities combine at Green River to provide students a one-of-kind education with lessons that will stay with them throughout their lives.

Equity-Centered Strategic Plan

As affirmed by the Board of Trustees.

Equity Statement

The Green River College Promise:

We commit to be an anti-racist institution where all students, faculty, and staff receive the access, resources, and services needed to achieve their educational, career, and personal goals. Green River College makes social and economic justice, equity, and inclusion our highest priorities.

The Green River College definition of equity encompasses all identities, including but not limited to race, ethnicity, economic status, gender identity, sexual identity, disability, religion/spirituality, immigration status, age, and culture. We understand individual needs vary widely, and the effects of discrimination and historical oppression must be taken into account while aiming for equitable opportunities and outcomes for all.

Let this be a call to action to all members of the Green River College Community: everyone must contribute to this on-going effort to achieve equity for all.

Vision Statement

Green River College will be an equity-centered leader in higher education committed to excellence in teaching and learning, to being an anti-racist college, and to advancing social and economic justice.

All members of the college community will feel a strong sense of belonging and, together, build a culture of care. The racial and ethnic diversity of staff, faculty, and leadership will reflect the diversity of the communities we serve.

Green River will be:

- The destination of choice for post-secondary education.
- First choice in partnership with our community, its business and industry.
- Ranked among the best nationally in student achievement, closing all opportunity gaps.

- Recognized for its preparation of students for the global workforce and for civic engagement in an increasingly diverse, interdependent world.

Mission Statement

Green River College welcomes our diverse local and global communities and is committed to meeting students where they are by providing inclusive, equitable access to innovative and comprehensive educational programs, and individualized support that empowers and prepares students to achieve their personal, educational, and career goals.

Strategic Plan Goals

GOAL A: Success for All Students

Close opportunity gaps and remove barriers to student success.

Success metrics:

- *Start of Student's Journey:* The College has implemented a comprehensive student onboarding process by 2026 that includes all students having educational, financial, and career transition plans by their 2nd quarter of enrollment.
- *Progression of Student's Journey:* Students' opportunity gaps in retention, progression, and completion are reduced or eliminated by 2026.
- *End of Student's Journey:* Increase the College's student completion rate from 38% to 43% with minimal or no opportunity gaps by 2026.

GOAL B: Excellence in Teaching and Learning

Ensure that teaching and learning processes embody equity-centered principles that close opportunity gaps.

Success metrics:

- All faculty and staff have been trained in anti-racist, equity-centered, and inclusive Diversity, Equity, and Inclusion principles by 2026.
- Decrease or eliminate instructional opportunity gaps related to race, gender, economic, and other demographic factors by 2026.

GOAL C: Responsive Education Programs and Support Services

Provide a full range of educational programs and support services that meet students where they are to achieve their educational, career, and personal goals.

Success metrics:

- The College has fully implemented Guided Pathways by 2026 to help more students achieve their college goals.
- Increase the percentage of students who feel like they belong at Green River by five percentage points per year by 2026.

GOAL D: Integrated and Effective Organizational Structure, Systems, and Processes

Align the College's organizational structure, systems, and processes with equity-centered principles and practices to become an anti-racist college and break down equity barriers for students, faculty, and staff.

Success metrics:

- The College has implemented an equity-centered framework for employee recruiting, hiring, and onboarding by 2026 that include employees having professional development plans incorporating anti-racist and DEI principles.
- The College has implemented a comprehensive organizational framework by 2026 that uses equity-centered principles in shared governance, planning, resource allocation, assessment, and policy development.
- Increase the percentage of faculty and staff of color to be comparable or exceed that of neighboring colleges by 2026.

GOAL E: Accessible and Responsive Facilities and Technology

Optimize educational facilities and technology to support student success and excellence in teaching and learning.

Success metrics:

- Increase the percentage of students, faculty, staff, and community members who feel welcomed at Green River by 5% per year.
- The College has adopted a Facilities Master Plan and a Technology Plan that support excellence and equity-centered teaching and learning by 2026.

Goal F: Impactful Community Connections

Strengthen the connections between the college and the local, regional, and global community to become the first choice in partnership with those communities, their Institutions, and industries.

Success metrics:

- Green River is top of mind among institutions of higher education in the region by 2026.
- Green River is considered a valuable asset to the community and key stakeholders by 2026.

Core Values

Anti-Racism, Diversity, Equity, and Inclusion: We are committed to becoming an anti-racist college. We examine our own and others' identities (race, ethnicity, economic status, gender identity, sexual identity, disability, religion/spirituality, immigration status, age, and culture), institutional roles, behaviors, and cultural perspectives, as these relate to power and privilege in the advancement of equity and social justice.

Belonging: We respect difference and make intentional space for the needs, experiences, ways of communicating, expertise, and leadership of those who are most impacted by systemic and structural inequities. We promote a culture of care including love, joy, peace, patience, and kindness in our interactions with students, staff, faculty, and community partners in recognition of the human condition.

Accessibility: We recognize, respect, and celebrate people with disabilities, including physical, cognitive, sensory, intellectual, developmental, and non-apparent disabilities. We commit to equitable opportunities, including the provision of accommodations, and the creation of welcoming, inclusive, and accessible classrooms, curricula, campus spaces, and virtual environments. We recognize disabilities have no social and economic boundaries.

Accountability: We develop and implement mechanisms for accountability in the hiring process, teaching, student support services, employee relations, financial stewardship, and governance, in order to ensure the meaningful participation of all constituents, anchored in transparency and respectful interactions.

Community Engagement: Our multiple campuses in our service areas collaborate to contribute to the educational, economic, and social development of our communities through responsive programs, continuing education, and community and library partnerships.

Growth and Development: We allocate the required resources towards equitable lifelong learning, professional development, and career advancement of our staff, faculty, and students.

Global Responsibility: We foster civic responsibility by understanding the critical issues and challenges affecting the diverse communities on our campuses, regionally, nationally, and around the world. We cultivate respect and empathy for cultural difference, honoring the dignity of multiple languages and being mindful of cultural biases.

Acknowledgment and Stewardship of the Natural Environment: We acknowledge the land on which Green River College sits as the ancestral home of the Muckleshoot Indian Tribe. We commit to the beautification, preservation, and sustainability of our campuses' natural resources.

Accreditation

Green River College is accredited by the Northwest Commission on Colleges and Universities.

Accreditation is a process of recognizing educational institutions for performance, integrity, and quality that entitles them to the confidence of the educational community and the public. In the United States this recognition is extended largely through

nongovernmental, voluntary membership associations that establish accreditation criteria, evaluate institutions against that criteria, and approving institutions that meet the criteria.

Institutions accredited or pre-accredited by the Northwest Commission on Colleges and Universities are required to examine their own missions, goals, operations, and achievements. The Commission then provides expert analysis by peer evaluators, and, later, commendations for accomplishments and recommendations for improvement from the accrediting body. Since the accreditation status of an institution is reviewed periodically, institutions are encouraged toward continued self-study and improvement.

While accreditation criteria and procedures of accrediting agencies differ, the principles underlying eligibility and levels of expectation are similar in their intent to:

- foster excellence through the development of criteria and guidelines for assessing educational quality and institutional effectiveness;
- encourage institutional improvement through continuous self-study and evaluation;
- ensure the educational community, the general public, and other organizations that an institution has clearly defined and appropriate educational objectives, has established conditions under which their achievement can reasonably be expected, appears in fact to be substantially accomplishing them, and is so organized, staffed, and supported that it can be expected to continue to do so; and
- provide counsel and assistance to established and developing institutions.

When granted, accreditation by the Northwest Commission on Colleges and Universities is not partial. It applies to the entire institution in operation at the time of the most recent comprehensive evaluation. It indicates that the institution as a whole is substantially achieving its mission and that it meets the Commission's expectations for compliance with the accreditation criteria.

Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact:

Northwest Commission on Colleges and Universities
8060 165th Avenue NE, Suite 200
Redmond, WA 98052
(425) 558-4224
www.nwccu.org

In addition to the institution being accredited, several Career and Technical Education Programs have earned special accreditation or recognition in their field of specialty.

Specialized Program Accreditation

The Practical Nursing program is approved by the **Washington State Department of Health's Nursing Care Quality Assurance Commission**. The Green River College Practical Nursing Program is accredited by the **National League for Nursing Commission for Nursing Education Accreditation (NLN CNEA)** located at 2600 Virginia Avenue, NW, Washington, DC 20037; recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

The Bachelor of Science in Nursing (LPN to BSN) program is approved by the **Washington State Department of Health's Nursing Care Quality Assurance Commission**.

The Occupational Therapy Assistant program is accredited by the **Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA)**, located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929; recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

The Physical Therapist Assistant program is accredited by the **Commission on Accreditation of Physical Therapy Education (CAPTE)**; recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

The Natural Resources program is accredited by the **Society of American Foresters (SAF)**.

The Court Reporting and Captioning program is accredited by the **National Court Reporters Association (NCRA)**.

Getting Started

Getting Started

Detailed getting started information, based on educational goals and student type, is located on the Green River College website at www.greenriver.edu/students/academics/getting-started.

Admissions Information

Who Can Apply?

Admission to Green River College is open to anyone who has a high school diploma, High School Equivalency Certificate, or is at least 18 years old. Students who do not meet these requirements should see the Admission Policy for exceptions. Green River College does not discriminate on the basis of race, color, national origin, sex, sexual orientation, disability, marital status, religion, age, or on any other unlawful basis.

When Should You Apply?

Students may apply any time prior to the beginning of the quarter they plan to start classes. It is beneficial for the student to apply early and work through the Getting Started Steps at www.greenriver.edu/students/academics/getting-started before enrollment begins for the quarter they wish to start.

Students may begin most programs any quarter, but some career/technical programs begin only during certain quarters. See the Programs of Study section. At <https://catalog.greenriver.edu/content.php?catoid=8&navoid=386>, of this catalog to determine specific program entry times.

How Do You Apply?

Students may apply for Green River College admission:

- Online at www.greenriver.edu/applynow, or in person with the Registrar's Office in the Student Affairs and Success Center, room SA-280
- International students may follow the International Programs admission steps at www.greenriver.edu/international/admissions/.
- Running Start students have additional admission requirements and should contact the Running Start Office at www.greenriver.edu/students/academics/running-start/.
- Veteran or military-connected students should contact the Veteran Services Office, at www.greenriver.edu/veterans/, and/or visit their website at www.greenriver.edu/veterans/getting-started for additional resources and support

After the college has processed the admissions application, students will be emailed an official acceptance letter. This will go to the email account used to create the application profile. The email will include their student identification number and important informational links guiding them through the getting started process.

Application for Readmission

Students who have not attended Green River for at least one year may reapply online with the link above or in the Student Affairs and Success Center in the Office of the Registrar. Once the record has been updated, they will be assigned an enrollment appointment time. Only students who have earned credit at Green River in the past are eligible to enroll as returning students.

Selective Admission Program Requirements

Green River College has many programs of study which require additional admission requirements for acceptance into the program, to ensure student success. Students need to refer to the Programs of Study, at <https://catalog.greenriver.edu/content.php?catoid=8&navoid=386>, section in this catalog for individual program requirements. For more information, contact the program manager, advisor or faculty for the specific program.

The Health Sciences programs comply with the Child/Adult Abuse Information Act, RCW 43.43.830-43.43.840, at <https://apps.leg.wa.gov/rcw/default.aspx?cite=43.43.830>. Each student applying to a Health Sciences program is required to submit to a background investigation for criminal history information prior to entry into the program.

Transfer-In Students

Admission for students transferring from another college is regulated by the same standards that apply to new Green River students. Transfer students are required to indicate all previous college work when they complete the application process.

Students transferring credits from other institutions, those who have military experience, or credit earned through advanced high school tests (AP/IB/CI) must provide the Registrar's Office with official transcripts in a sealed envelope or directly from a digital transcript service, along with a [Transcript Evaluation Request Form](#). Students with previous college credits can visit the Career & Advising Center webpage at www.greenriver.edu/students/academics/career-advising-center/ to schedule an appointment for advising as a transfer-in student. These students are exempt from participating in the New Student Advising and Enrollment session.

Once official transcripts are received, they become the property of Green River College and will not be returned to students. Students will be notified in their Navigate360

account when the transcript evaluation has been completed. This correspondence will become part of the student's official record.

It is to the student's advantage to request a [Transcript Evaluation Request](#) as early as possible. Enrollment appointment times at Green River are calculated on a credit-earned basis. Transferred-in credits will be used to assign an earlier enrollment appointment time after students have attended their first quarter at Green River College. A transcript evaluation must be completed by a Credentials Evaluator prior to the following quarter's enrollment in order for students to get an earlier enrollment appointment time.

Placement Information

www.greenriver.edu/placement

Many courses require an assessment of a student's skill level in reading and/or math to ensure students are prepared to successfully complete the course. Placement in English and math courses can be determined through various means including high school and college level coursework and assessments, Green River assessments, and placement reciprocity. Visit the [Course Placement Options webpage](#) to learn more about options and processes for demonstrating course eligibility.

For more information about Green River's placement options, please visit www.greenriver.edu/testing or call the Placement & Testing Center at (253) 288-3449.

Placement into Language Courses

Students with one year or less of high school language courses will begin in foreign language courses numbered &121, unless otherwise placed by a language instructor.

Students who have taken more than one year of a high school language classes may be able to use their High School transcript for placement. Students who have taken college-level languages should continue the sequence. Unofficial transcripts may be submitted for placement purposes through the [Secure Document Upload Tool](#).

Students transferring to a four-year institution should know the foreign language requirements at the school of their choice.

Money For College

If paying for college expenses is a concern, Green River College offers multiple funding assistance programs. Green River's philosophy is that people should have the opportunity to achieve their educational goals, regardless of income. Scholarship, grant, loan, work-study, Workforce Education and agency-funded programs may be available for those who qualify for assistance. For more information on funding options please visit www.greenriver.edu/students/pay-for-college.

Green River Foundation Scholarships

The Green River College Foundation offers over 275 scholarships each year. Students who complete the online applications may be eligible for scholarships in the following categories: program-based, merit-based, need-based, summer completion, general scholarships, and transfer scholarships.

The Foundation Scholarship has two application cycles, January through April 30th and September through mid-October. For additional information, please visit www.greenrivercollegefoundation.org/applynow.

Workforce Education

Green River College provides assistance with tuition, fees, books, tools and individual support services for students who qualify for funding assistance. The Workforce Education Office has funding programs that serve those who:

- Receive or have exhausted their unemployment benefits
- Have recently lost their job, ended self-employment, or received notice of impending layoff
- Qualify as low income
- Receive food stamps or Temporary Assistance for Needy Families
- Are divorced, widowed, or separated
- Need additional skills to retain or upgrade their job

For additional information about Workforce Education funding programs and to find out if you qualify, please visit www.greenriver.edu/workforce.

Financial Aid

Financial Aid programs at Green River College are administered according to nationally established policies and guidelines, which are based on the belief that parents have the primary responsibility for assisting their children with educational expenses.

Process

Students may be eligible for Federal and/or Washington State financial aid. Complete the appropriate application online each academic year: [Free Application for Federal Student Aid \(FAFSA\)](#) or [Washington Application for State Financial Aid \(WASFA\)](#), and include Green River's school code: 003780. To find out which option is right for you, take the questionnaire at www.wsac.wa.gov/WASFAelig.

Financial Aid uses priority processing dates: summer (April 30); fall (June 30); winter (Oct. 31); spring (Jan. 31). Priority will be given to applications received by these dates. Additional funding will be awarded after the priority dates, based on availability.

[Check ctcLink](#) for the status of your application and any additional documents that may be required. Submit any required documents or forms through the [Secure Document Upload Tool](#) and choose Financial Aid for the department.

For additional information, contact the Financial Aid Office at (253) 288-3392 or finaid@greenriver.edu.

Eligibility

To be eligible for financial assistance through federal and state programs, a student must:

- Have earned a high school diploma or GED or be approved for Ability to Benefit (ATB)
- Be enrolled in an eligible degree or certificate program
- Meet satisfactory academic progress standards
- Not owe a refund or repayment on any federal or state grant or be in default on a federal student loan

Aid Programs

Employment Program/Description	Minimum No. of Credits	Washington Residency Required	Award Amounts
<i>Federal Work-Study</i> - provides employment opportunities for students on or off campus	6	No	\$200 to \$3,000 per quarter
State Work-Study - provides employment opportunities for students on or off campus	6	Yes	\$200 to \$3,000 per quarter
Gift Aid Programs/Descriptions	Minimum No. of Credits	Washington Residency Required	Award Amounts
<i>Federal Pell Grant</i> - federal grant program for undergraduate students	1	No	\$247 to \$2,465 per quarter, at fulltime enrollment
Federal Supplemental Educational Opportunity Grant -	6	No	\$150 per quarter

Employment Program/Description	Minimum No. of Credits	Washington Residency Required	Award Amounts
federal grant program for undergraduate students			
Washington College Grant - state grant program for undergraduate students	3	Yes	\$164 - \$1,641 per quarter, or \$262 - \$2,622 per quarter for BAS, at fulltime enrollment
College Bound Scholarship - state grant program for undergraduate students	3	Yes	Up to \$166 per quarter
Tuition Waiver - state program to cover cost of tuition only	5	Yes	Up to \$400 per quarter
Green River Grant - institutional grant program for undergraduate students	5	Yes	Up to \$600 per quarter
Loan Programs/Descriptions	Minimum No. of Credits	Washington Residency Required	Award Amounts
Direct PLUS Loan - federal loan program for parents of dependent students. Interest rates vary by year and are announced by July 1. Payment can be deferred.	6	No	Maximum loan for parents is based on cost of attendance, less any other aid.
Federal Direct Loan - federal loan program for subsidized and unsubsidized loans with deferred payments. Interest rates vary by year and are announced by July 1.	6	No	Maximum \$5,500 as a freshman, \$6,500 as a sophomore, and \$7,500 for BAS level plus additional unsubsidized amounts. Minimum varies depending on eligibility

For Financial Aid purposes the degrees found in list below are open enrollment which enables all students who wish to pursue this degree to complete the "Program Degree Requirements" (courses in the areas of English, Biological Sciences, Psychology, etc.). The "Program Degree Requirements" provide the foundation for the subsequent Required Core classes (i.e. OTA, PTA, PNURSE).

- Bachelor of Science in Nursing, BSN
- Occupational Therapy Assistant, AAS
- Physical Therapist Assistant, AAS
- Practical Nursing, AAS

Payment Plan

A Payment Plan is available to assist students in paying their tuition and fees in three manageable payments. Each payment is 1/3 of the total tuition and fees for the quarter, due by the published payment due dates.

The Payment Plan is also an option for students who are waiting for their financial aid funding and missed the priority processing deadline.

How to Enroll:

- Enroll in classes on or after your enrollment appointment time for the quarter
- Enroll in the Payment Plan through your ctcLink account Financial Account tile. This will add the \$25 non-refundable Payment Plan enrollment fee to your account.
- Follow the published payment due dates.

Note: Being enrolled in the Payment Plan is not a tuition deferment hold. Students on the Payment Plan are responsible for making all payments by the scheduled deadlines.

Quarter	1st Payment Due Date	2nd Payment Due Date	3rd Payment Due Date
Summer 2025	June 9, 2025	July 9, 2025	August 9, 2025
Fall 2025	September 9, 2025	October 9, 2025	November 9, 2025
Winter 2026	December 9, 2025	January 9, 2026	February 9, 2026
Spring 2026	March 9, 2026	April 9, 2026	May 9, 2026

Dates are subject to change and are published on the web at www.greenriver.edu/payment-plan.

Veteran and Military-Connected Student Information

VA Benefits

Selected academic programs of study at Green River College are approved by the Washington Student Achievement Council's State Approving Agency (WSAC/SAA) and/or the Workforce Training and Education Coordinating Board (WTECB) for enrollment of those eligible to receive benefits under Title 10 and Title 38.

In accordance with Title 38 US Code 3679 § (e), this college adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33), Veteran Readiness & Employment (Ch. 31), or Survivors' and Dependents' Educational Assistance (Ch. 35) benefits, while payment to the institution is pending from the VA.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill.

Green River College will not:

- Prevent the student's enrollment.
- Assess a late penalty fee.
- Require student to secure alternative or additional funding.
- Deny a student's access to any resources available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the Certificate of Eligibility by the first day of class.
- Provide written request to be certified.
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

85/15 Rule

The Code of Federal Regulations (38 CFR 21.4201) states the Department of Veterans Affairs (VA) shall not approve the enrollment of a VA-eligible person, not already enrolled, in any course for any period during which more than eighty-five percent (85%) of the students enrolled in the course are having all or part of their tuition, fees or other charges paid to or for them by an educational institution of the VA.

Record Retention for Military-Connected Funding

Green River College maintains records according to Washington State's Community and Technical Colleges Records Retention Schedule, which can be accessed at the

following site: www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-7.aspx#section-7-30

The retention schedule requires that the college maintains records of grades and transcripts for six years after graduation/last date of attendance. This is three years longer than the Veteran Administration's requirement of maintaining records for at least three years following the student's last date of attendance.

Military New_Student Orientation (MNSO)

All new veteran/military-connected students to the college are required to attend a Military New Student Orientation (MNSO) session. These group advising sessions are facilitated by the Veteran Services staff and are intended to cover the details of VA benefit certification process, military-specific resources, selecting a degree, a first quarter class schedule and online class enrollment. Student participants are offered advising assistance when enrolling in their classes. Students are instructed to connect with the Veteran Services Educational Planner (and their assigned faculty advisor, if applicable) after the session for one-on-one advisement and academic planning. More information can be found at www.greenriver.edu/mnso/.

Evaluation of Prior Credit/Military Experience

Prior credits earned from other institutions, as well as military education and training (which may or may not result in academic credit) can be submitted for evaluation to the Office of the Registrar. If classes are certified to the Department of Veterans of Affairs for payment of education benefits but are not required for a student's academic program of study after prior transcripts are evaluated, the classes will be decertified, and a debt may be owed to the VA and/or Green River College.

Academic Standards

The VA requires education benefits to veterans and other eligible dependents be discontinued when the student ceases to make satisfactory academic progress (SAP) toward completion of their program of study. To meet SAP, a student receiving VA educational benefits must earn a quarterly GPA of 2.0 or higher each quarter and earn all eligible credits certified to the VA. If a student does not meet SAP, the student will be placed on probation status. If a student on probation status does not make satisfactory academic progress, the student will be placed on termination status. On termination status, a student's education benefits are suspended. To remove the suspension, the student must self-reinstate their benefits by completing a term on their own without VA funding, enrolled in at least $\frac{3}{4}$ time (9 to 11 credits) and meet SAP for the term. There is a one-time opportunity to appeal the suspension. If the appeal is approved, the student will be certified for one more quarter. If the student does not make satisfactory academic progress during an appealed quarter, the student will have to self-reinstate their benefits.

Academic Program Revisions

Federal regulations prevent the VA/SAA from approving programs that include training the Secretary of VA deems "avocational" or "recreational." Private pilot training has been determined, by the VA, to fit this definition, therefore Green River College may no longer approve VA education benefits for programs including private pilot training.

Veteran Readiness and Employment - Chapter 31

Veterans utilizing Veteran Readiness and Employment CH 31 benefits must work directly with their VR&E Case Manager assigned to them by the Department of Veterans Affairs. The case manager will send Green River College the necessary authorization to activate benefits. Please contact Veteran Services at 253-288-3452 or veterans@greenriver.edu for more information.

Reduced Tuition and Priority Enrollment

In-state and/or reduced tuition rates may be available to veterans who meet specific state requirements. For more information, please visit the Office of the Registrar with a copy of your DD214 (Member 4 or Service 2 copy), or Certificate of Eligibility.

Veterans may also be eligible for priority enrollment. Individuals must meet the established eligibility criteria and submit a copy of their DD214 (Member 4 copy or Service 2 copy) to the Office of the Registrar.

Dependents' Tuition and Fees Waiver

Tuition and fees are waived for dependents of 100% disabled Veterans or those who have died as a result of military service. Please check with the Office of the Registrar at (253) 288-3383 to see if you qualify.

Military Tuition Assistance Programs

Active Duty Military personnel and their eligible spouses may access Department of Defense sponsored Tuition Assistance Programs [Military Tuition Assistance (TA) or My Career Advancement Account (MyCAA)] for education pursued at Green River College. Students are advised to initiate contact with these resources early in the enrollment process to ensure payment authorization is in place by the time tuition is due. Please visit or call the Student Financial Services Office at (253) 288-3399 for further information.

VIE-25

The VIE-25 program connects service members with career credentials during their last six months of military service so they qualify for in-demand jobs right away. Please contact Workforce Education at (253) 288-6550 for additional details.

Gold Star Book Stipend

HB 2009 allows military-connected family members to receive a \$500 textbook stipend to help cover the cost of books while pursuing higher education. Gold Star families are members of armed forces, veterans, and active-duty National Guard members lost or seriously disabled during service. This funding is available on a first come, first served basis. Please contact the Financial Aid Office at 253-288-3392 for additional details.

National Guard Post-Secondary Education Grant (NGG)

The National Guard Post-Secondary Education Grant helps WA National Guard members get an approved degree or certificate by assisting with college costs not covered by other financial aid. Participants commit to serving one year (served concurrently with contract) in exchange for each year of funding. For more information and to apply, please visit www.wsac.wa.gov/national-guard. If awarded the NGG, funding will be processed through the Financial Aid Office.

Advising

Online Orientation

New students are able to access online orientation immediately following their admission to Green River College. [The online orientation](#) guides students through several informational modules which cover the fundamentals of not only attending Green River College, but strategies for success as a college student. Completion of the orientation is a critical first step for new students in the getting started process. Once completed, students are guided through the next steps including placement, advising, and first quarter enrollment.

Help with placement and navigating the new student process:

New students may meet with a staff member in the Career and Advising Center for assistance with understanding their course placement in English and math courses as well as their program requirements in these subjects. Additionally, funding options and appropriate next steps such as meeting with faculty, attending an information session, and attending an Advising and Enrollment session are addressed. During this meeting, students are assigned an advisor appropriate to their program of study for future assistance.

New Student Advising and Enrollment (NSAE)

All new students to the college are required to attend a New Student Advising and Enrollment (NSAE) session. These group advising sessions are facilitated by the Career and Advising Center staff and are intended to cover the details of selecting a degree, a first quarter class schedule and online class enrollment. Student participants are offered advising assistance when enrolling in their classes. Students are instructed to connect with their assigned advisor after the session for one-on-one advisement and academic planning.

Veteran and military new students will complete the Military New Student Orientation (MNSO) in place of NSAE. More information about MNSO can be found above in the Veteran and Military-Connected Student Information section.

First Quarter Advising and On-Going Advising Resources

All students new to Green River should reach out to their assigned advisor for a first quarter advising appointment. Advisor assignments are available in the student's ctcLink account, under the Academic Progress tile. At this appointment, students work with their faculty or professional advisor to co-create an educational plan. Educational plans provide students with projected quarterly schedules of courses required for their intended program of study. Plans can help students with the sequencing of required courses as well as an idea of the estimated length of time to complete their program of study.

Students who are undecided on their degree or program should take time to explore their interests by taking a career assessment and meet with a Career Specialist in the Career and Advising Center. Students may make an appointment with a specialist by contacting the Career and Advising Center at (253) 288-3482 or visit SA-104.

Beyond the first quarter, advising is an important service to students. Full-time faculty members, educational planners and other trained staff serve as advisors to help students set educational goals. Advisors will provide information about classes, programs, and educational support services. Participation in advising will provide students with individualized attention needed to discuss goals, select classes, and meet with knowledgeable faculty in their field of study.

Although advisors are available to assist with program planning, it is the student's responsibility to be informed about degree or program requirements and college policies. Students who intend to transfer to a four-year college should take time to learn about that school's requirements.

To make the advising experience work, students should:

- Get to know their advisor and visit with them at least once a quarter, if not more often. This person is available to help students succeed, so take advantage of this resource.

- Determine the classes they need to complete their educational goals by running a Degree Audit each quarter.
- Ask their advisor to help co-create an educational plan and timetable.
- If transferring to a four-year college or university, identify the school(s) as early as possible and carefully review their website and transfer requirements. College catalogs, transfer guides and other college information are available for student use in the Career and Advising Center.

Enrollment

Enrollment is the process where students schedule classes for upcoming quarters. Enrollment dates are announced by the college each quarter and are published on the Green River website.

Green River College reserves the right to deny admission to, or cancel the enrollment of, any individual whose attendance would not be of mutual benefit to the individual and the college.

Enrollment Appointment Time

Enrollment appointment times are the date and time in which students can begin enrolling for the term. There is no appointment with a staff member. Students may login to their ctcLink account to add classes to their schedule and follow the check-out process. Classes can be added to the student's shopping cart prior to the enrollment appointment time but are not officially enrolled until the check-out process is complete.

Current and Returning Students

Currently enrolled and returning students are assigned enrollment appointment times based on the number of credits they have earned at Green River, plus any officially transferred-in credits from other institutions. Enrollment appointment times are available two weeks prior to the start of enrollment and can be found in the student's ctcLink account.

Students returning after a year-long break, or who are changing their declared start quarter, must contact the Office of the Registrar to have their record updated. Students must have an active record in order to receive an enrollment appointment time.

New Students

New student enrollment begins after the currently enrolled and returning student enrollment cycle. New students who have an application on file will automatically be assigned an enrollment appointment time. New students are eligible to enroll upon completion of their orientation session.

Online Enrollment

Quarterly enrollment is completed in the student's ctcLink account, under the Manage Classes tile. Enrollment Dates, Class Search, Shopping Cart, and Planner are available to assist in enrolling in classes. Classes can be placed in the student's shopping cart prior to the enrollment appointment time but are not officially enrolled in until the shopping cart has been checked out. Anything preventing enrollment in the class will be presented in a message after the enrollment attempt.

Enrollment Requirements

Enrollment requirements, also known as course prerequisites, are used to indicate a student is eligible to enroll in a class. Milestones, test scores, and previously completed courses that have been officially transferred in are all elements that may meet enrollment requirements. Students should contact their advisor with any questions regarding enrollment requirements.

Last Day to Enroll

Students may only enroll themselves online until the third day of classes, except for summer quarter, when students must enroll by the second day of classes. The only exceptions to this rule are identified late-start classes and those classes categorized as continuous enrollment, as indicated by the Curriculum Office. Students still wishing to add a class to their schedule after the third day of the quarter (second day in summer), will need their instructor's permission via signature or email.

Overloaded Classes

Full classes may only be enrolled in with instructor permission and division chair approval. This can be sent to the Office of the Registrar via email or a signed Full Class Overload Approval form.

Credit Load

A student must enroll for a minimum of 12 credits to be considered a full-time student for financial aid, insurance or other programs. A full-time student will enroll for an average of 12 to 18 credits each quarter.

Maximum Credit Load

If students are enrolled in a career/technical degree or certificate program, 25 credits is the maximum number of credits they may enroll in per quarter. Students must have permission from their advisor to take over 25 credits by submitting an [Override Maximum Credit Load Request Form](#) or emailing the Office of the Registrar.

If students are in an academic program and wish to enroll for more than 20 credits, they must complete an [Override Maximum Credit Load Request Form](#) and obtain special permission from their advisor and from an administrator. Students must have a minimum cumulative GPA of 3.0 for their requests to be considered.

If students are heavily involved in extracurricular activities, it is advised they limit themselves to a 12-credit load. Twelve credits is the normal requirement for eligibility in the activity programs at Green River and the Northwest Athletic Association of Community Colleges.

No-Show Replacement

A No-Show Replacement is used when a class is at full capacity. If an enrolled student misses the first class session without notifying the instructor, the instructor may complete a No-Show Replacement allowing another student entry into the class. If the non-attending student is submitted as a no-show, the student will be dropped from the class roster by the Office of the Registrar.

Auditing a Class

Students may audit a class by enrolling for information only (no credit given) and attending class regularly. Students must declare their intention to audit at the time of registration. Auditing does not affect the grade point average (GPA). Auditors must pay regular tuition and fees.

Waitlist Procedure

Students attempting to enroll in a full class have the option to place themselves on a waitlist.

Permission codes **will not** allow students to by-pass the waitlist option and enroll into a full class. The waitlist process works as follows:

- Online or in-person enrollment will provide the option to be added to a waitlist for a full class. All enrollment requirements must be met to be added to a waitlist.
- Students may be waitlisted in up to 18 credits.
- The "swap" option in ctcLink allows students to select a different section of the same course for waitlist, and the system will swap the classes if the waitlisted class becomes available.
- Students should review their schedule every few days via the Manage Classes tile in ctcLink to see if they have been added to a class they were waitlisted for.
- The Office of the Registrar will notify students through their ctcLink Message Center when they have been moved off a waitlist and into the class.

- Students are responsible for making sure their schedule is accurate by dropping any unwanted classes. Failure to do so may result in a 0.0 grade being posted to their transcript and possible additional tuition and fee charges.
- Students can remove their name from a waitlist through the Manage Classes tile in their ctcLink account or by contacting the Office of the Registrar via email to request they be removed from a class waitlist.
- Waitlists close two (2) days prior to the start of the quarter to allow schedules and class rosters to be prepared the day before the quarter starts.
- If any students have not received notification by the first day of the quarter that their waitlist status has changed, they may contact the instructor or attend the first class session.
- Attending the first class session will not guarantee admittance into the class.

Students are responsible for the accuracy of their class schedule. If a student is registered for a class they no longer plan to attend, they should withdraw from the class online or contact the Office of the Registrar for procedures to withdraw from the class.

Students who default on any financial obligations to Green River College are responsible for collection fees, attorney fees, court fees, and other reasonable costs and expenses incurred in the collection of any debt, in accordance with [RCW 28B.10.293](#) and [RCW 19.16.500](#).

Withdrawals

Students may withdraw from the college or from classes until the last instructional day of the eighth week of the quarter during fall, winter, and spring. For summer quarter, the last day to withdraw is the end of the fifth week of the quarter.

College Costs

In estimating college costs, students will need to include amounts for tuition, special fees, books, supplies, transportation, and living expenses.

Textbooks and supplies can cost up to \$500 or more per quarter, depending on the program. Textbook prices are subject to change without notice.

Tuition and Fees

Lower-Level Tuition Rates (Under 300-level courses)

Tuition and fees are set by the state legislature and are subject to change, usually beginning fall quarter.

See the Tuition Rates chart below. Current tuition rates are published online at www.greenriver.edu/tuition.

Tuition Rates for 2025-2026 <i>Tuition and fees are subject to change by the Washington State Legislature.</i>	Washington Resident Rates	Non-Washington Resident Rates**	International and Contract Rates^
Per credit charge (1-9 credits)	\$131.96	\$150.94	\$339.30
Per credit charge (10 credits)	\$131.96	\$150.94	\$928.30
Per credit charge (10-18 credits)	\$65.09	\$66.10	\$3,982.00 for 10-18 credits
Per credit charge (19 credits and over), except as noted below for those who qualify	\$118.39	\$137.37	\$325.73
Career/Technical waiver for 19 or more credits (per credit)	\$65.09	\$66.10	N/A
Active-Duty Military using TA (1-9 credits)	\$118.76	N/A	N/A
Active-Duty Military using TA (10-18 credits)	\$58.58	N/A	N/A
Active-Duty Military using TA (19+ credits)	\$106.55	N/A	N/A
High School completion age 19 and over (per credit - up to 18 credits)	\$12.00/ cr. + fees	Regular rates apply	Regular rates apply
NOTE: <i>Students auditing classes pay regular tuition and fees.</i> <i>**Non-Washington Residents and INS-approved permanent residents are eligible for this rate while establishing their Washington state residency.</i> <i>^International and other Visa classifications that are not eligible to establish residency, including international students.</i>			

Upper-Level Tuition Rates (300-level and above courses)

Tuition and fees are set by the state legislature and are subject to change, usually beginning fall quarter.

See the Tuition Rates chart below. Current tuition rates are published in the quarterly class schedule and online at www.greenriver.edu/tuition.

Tuition Rates for 2025-2026 <i>Tuition and fees are subject to change by the Washington State Legislature.</i>	Washington Resident Rates	Non-Washington Resident Rates**	International and Contract Rates^
Per credit charge (1-9 credits)	\$255.94	\$274.92	\$718.88
Per credit charge (10 credits)	\$255.94	\$274.92	\$834.08
Per credit charge (11-18 credits)	\$13.29	\$14.30	\$7,304.00 for 10-18 credits
Per credit charge (19 credits and over), except as noted below for those who qualify.	\$242.37	\$261.35	\$705.31
Active-Duty Military using TA (1-9 credits)	\$230.35	N/A	N/A
Active-Duty Military using TA (10-18 credits)	\$11.96	N/A	N/A
Active-Duty Military using TA (19+ credits)	\$218.13	N/A	N/A
NOTE: <i>Students auditing classes pay regular tuition and fees.</i> **Non-Washington Residents and INS-approved permanent residents are eligible for this rate while establishing their Washington state residency. ^International and other-Visa classifications that are not eligible to establish residency, including international students.			

Mandatory Fees

A special services matriculation fee of \$1.25 per credit is applied to all credits.

A technology fee of \$6 per credit to a maximum of 12 credits, not to exceed \$72. This fee was established by a student vote to cover the cost of equipment, printing, and tech support for the open computer labs.

A facilities fee of \$20.25 minimum for 1 to 5 credits, and \$4.05 per credit after 5 credits, no maximum.

A Student Center fee of \$45. This fee was established by a student vote to cover the cost of the Lindbloom Student Union.

An eLearning fee of \$12 per class applied to all classes taught hybrid or online.

Space-Available Waiver Course Fees

To use the space-available waivers, enrollment must be no earlier than the 4th day of the quarter in fall, winter, and spring quarters, and the 3rd day of the quarter in summer. Instructor permission is required by this day of the quarter.

Washington State Employee - \$65.09 per class, plus class fees

- A [Washington State Employee Tuition Exemption Form](#) is required each quarter
- Instructor permission is required for each class
- Waiver of tuition and fees for state employees and educational employees - [RCW 28B.15.558](#)
- To be eligible for the tuition exemption program, an employee must be a full-time/part-time permanent employee of a state agency and be certified as eligible for the exemption according to chapter 88, Laws of 1990, 51st regular session.

Senior Citizen - \$5.00 per class, plus college and class fees

- Two class limit
- Instructor permission is required for each class
- 60 years of age or older and a Washington resident, proof required - [RCW 28B.15.540](#)
- This waiver is not for students intending to use credits for increasing credentials or salary increases

Other Fees

Special fees (All fees are subject to change)	
Locker fee (refundable)	\$7.50

Payment Plan	\$25
Transcript fee online	\$12
Transcript fee in person, On-Demand	\$25
International Student Late Enrollment	\$95

Special Courses	
Parent-Child Education	\$20 per credit
Basic Skills	\$25 per quarter
Apprenticeship	50% of regular tuition

Student Financial Obligations

All outstanding amounts resulting from nonpayment of tuition and fees are the responsibility of the student. Withdrawal from school, officially or unofficially, will not cancel any financial obligation already incurred. Failure to pay all financial obligations may result in debts being turned over to a collection agency. Collection fees, including attorney fees and other charges necessary for the collection of any amount due, will be added to the student's account balance. Students who default on any financial obligations to Green River College are responsible for collection fees, attorney fees, court fees, and other reasonable costs and expenses incurred in the collection of any debt, in accordance with [RCW 28B.10.293](#) and [RCW 19.16.500](#).

Residency Requirements for Tuition Paying Purposes

The state of Washington has established specific criteria for students to qualify as residents for tuition paying purposes (References: [RCW 28B.15](#) and [WAC 250.18](#)).

A Washington resident student is one who is a U.S. citizen, or has permanent or temporary resident status, or holds "Refugee-Parolee" or "Conditional Entrant" status with the United States Immigration and Naturalization Service or is otherwise permanently residing in the United States under code of law; and is either a:

1. Financially independent student:
 1. Has established a bona fide domicile in the state of Washington primarily for purposes other than education for a period of one year immediately

before the first day of the quarter for which they have registered at any institution; **and**

2. Is financially independent.

OR

2. Financially dependent student:

1. Is a dependent student with one or both of their parents or legal guardians having maintained a bona fide domicile in the state of Washington for at least one year immediately before the first day of the quarter for which they have registered at any institution.

Residency Reclassification

To apply for residency reclassification, students must submit the following information to the Office of the Registrar no later than the 30th calendar day of the quarter:

- [Residency Questionnaire](#)
- Required documentation to support independent or dependent status
- Required documentation to support previous 12 months domicile in Washington State

Refer to the Residency Reclassification Checklist on the third page of the Residency Questionnaire for complete details. Residency Questionnaires are available online, in the Office of the Registrar, or by calling (253) 288-3383.

Washington State Higher Education Residency Affidavit

This option is open to all Washingtonians, regardless of citizenship or immigration status. It is the only option available to people with undocumented status and have never had DACA or to people who are pending asylum without an Employment Authorization Document (EAD).

Students who qualify:

- Pay resident tuition and fees at all public colleges and universities, and
- Meet residency requirements for all state financial aid programs, including Washington College Grant. Students must also [meet program requirements](#).

To qualify, students must meet all the following requirements:

- Earn a high school diploma, GED, or diploma equivalent before their first term at the college determining residency.
- Maintain a primary residence in Washington for at least 12 consecutive months immediately before their first term at the college determining residency.
 - The Washington residence must be for purposes *other than* college. If a student takes any courses at another Washington college during the prior 12 months, they cannot have taken more than six credits in any given

term. Students exceeding that limit must prove that they have a Washington residence for non-college reasons.

- Sign an affidavit saying they meet the above requirements and that one of the following is true:
 - They will file an application to become a permanent resident of the United States (green card) as soon as they are eligible to apply. And that they are willing to engage in activities designed to prepare them for citizenship, including citizenship or civics review courses or
 - They are a U.S. citizen, U.S. national, or U.S. permanent resident.

The first two requirements can be done at the same time or at different times, as long as they are both completed before starting at the college determining residency.

Withdrawal and Refund Rules

Credit Classes

The refund period is the first 15 calendar days of the quarter. It is the student's responsibility to withdraw from the college or from individual courses. Students must withdraw online or submit an [Enrollment Change Request Form](#) to guarantee the accuracy of their permanent records and to begin refund procedures, when applicable. The student may receive a refund under the following conditions:

- 100 percent refund of tuition and fees - when courses or programs are canceled by the college.
- 100 percent refund of tuition and fees - through the fifth instructional day of the quarter when a student officially withdraws from class.
- 40 percent refund of tuition only (no fees will be refunded after the 100 percent refund period ends) - when official withdrawal occurs after the fifth instructional day of the quarter through the end of the refund period (see next bullet).
- No refunds - after the 15th calendar day of the quarter. The 15th calendar day is the end of the refund period.
- Short-term classes - 100 percent refund of tuition and fees - when official withdrawal occurs prior to or on the first day of class only. Short-term classes are indicated by dates published with the class listing.
- Refunds of less than ten dollars (\$10) will not be processed.
- Appeals to the refund policy must be submitted to the Office of the Registrar in written form with official supporting documents attached. Refund appeals must be received by the Office of the Registrar within one academic quarter of the quarter in question.
- A separate refund policy applies to students receiving financial aid. Tuition refunds must be returned to the financial aid account and not the student.

A separate refund policy applies for students enrolling in continuing education non-credit classes.

Students forfeit all claims to refunds of tuition when:

- They discontinue their class(es) without completing the proper forms and procedures.
- They withdraw after the 15th calendar day of the quarter or after 25 percent of the course or program has elapsed, whichever comes first.
- They discontinue their class(es) due to misconduct.
- The fees are indicated to be nonrefundable in the college catalog, class schedule, or course announcement.

Please note these additional conditions:

- Course fees for self-supporting, continuing education and some Kent Location classes are exempt from this refund policy. (Contact the Continuing and Community Education Office or Kent Location for further information.)
- Exceptions may be made for emergency extenuating circumstances such as medical, family emergency, military duty, etc. A Withdrawal/Refund Exception Request must be submitted to the Registrar with official supporting documentation. See the form for details.
- Students who have paid fees for equipment or materials, which have a return or refund value, must have the responsible instructor or staff person complete the appropriate form approving the refund.
- Co-op, technology, and facility fees will be refunded for withdrawals during the 100 percent refund period (or prior to or on the first session of class for identified late-start classes that begin after the first week of the quarter).
- Other non-refundable fees not subject to this policy will be set by the college's Board of Trustees and identified as such in the quarterly class schedule.

Department of Defense Military Tuition Assistance Refund Policy

Students must be eligible for Military Tuition Assistance. See the Student Financial Services Office (formerly Cashier's Office) for questions.

The Department of Defense Tuition Assistance program has its own refund procedures. Classes paid for by the Department of Defense Tuition Assistance program will be issued refunds under the following conditions:

Fall, Winter, and Spring Quarter DoD Tuition Assistance Refund Periods

Official withdraw occurs through the first (1st) week of the quarter	100%
Official withdraw occurs during the second (2nd) week of the quarter	80%
Official withdraw occurs during the third (3rd) and fourth (4th) weeks of the quarter	60%
Official withdraw occurs during the fifth (5th) and sixth (6th) weeks of the quarter	40%

Official withdraw occurs during the seventh (7th) and eighth (8th) weeks of the quarter 20%

The refund period for fall, winter, and spring quarters ends after the eighth (8th) week of the quarter.

Summer Quarter DoD Tuition Assistance Refund Periods

Official withdraw occurs through the first (1st) week of the quarter 100%

Official withdraw occurs during the second (2nd) week of the quarter 80%

Official withdraw occurs during the third (3rd) week of the quarter 60%

Official withdraw occurs during the fourth (4th) week of the quarter 40%

Official withdraw occurs during the fifth (5th) week of the quarter 20%

The refund period for summer quarter ends after the fifth (5th) week of the quarter.

Complete Withdrawal from the College

We strongly encourage students to discuss any plans for withdrawal with their faculty advisor or an educational planner. If students wish to terminate enrollment in the college, they must do the following:

Students may drop classes in ctcLink through the eighth week of the quarter (fifth week in summer quarter).

Please refer to the college's [Academic Standards and Progress Policy](#) in the Academic Information section of this catalog.

Forms

[Enrollment Change Request Forms](#) are available in the Office of the Registrar and on the Green River website. Forms are also available to request an exception to the refund policy.

Withdrawal/Refund Exceptions

Exceptions may be made for emergency extenuating circumstances such as medical, family emergency, military duty, etc. A Withdrawal/Refund Exception Request must be submitted to the Registrar's Office with official documentation supporting the extenuating circumstances the student faced. See the form for details.

Requests for refunds must be submitted by the end of the following quarter. Requests for late withdrawal, resulting in a "W" grade on the transcript and no refund, must be made within one calendar year. All requests require official supporting documentation.

Refunds/Return of Federal Financial Aid Funds

A refund of tuition and/or a repayment of grant dollars may be required for students who fail to complete any credits during a quarter (whether they have quit attending or have withdrawn, received 0.0-0.9 grades or an incomplete). Green River's tuition refund policy operates independently from the return of federal financial aid funds policy required for financial aid recipients. Tuition refunds are not returned directly to financial aid recipients; instead, funds are returned to financial aid accounts.

When students withdraw from classes or quit attending before 60 percent of the quarter has elapsed, unearned Title IV federal funds (grant and loan) must be returned to the federal accounts by both the student and the college. The amount of earned and unearned funds is based upon the number of calendar days of class attendance. The percentage of assistance earned is equal to the percentage of the payment period completed. The percentage of Title IV funds not earned equals 100 percent minus the percent of Title IV aid earned. The student and the college may retain the earned portion of aid but must return a portion of the unearned aid to the grant and loan accounts.

Student Resources

Student Resources

Green River College places the highest priority on the needs and success of all students. We offer a variety of resources to assist students while attaining their academic and professional goals. Students are encouraged to take advantage of the many resources available to them. Please find a list of services below with a web link to access additional information about each service.

Basic Skills Office

Student Affairs and Success Center, SA-270

(253) 931-6680

www.greenriver.edu/students/academics/pre-college-basic-skills/

The Basic Skills Office provides support for Adult Basic Education programs, such as English Language Learning (ELL), General Education Development (GED), and High School Completion.

Benefits Hub

Student Affairs and Success Center, SA-122

(253) 288-3492

www.greenriver.edu/campus/campus-resources/ctw-benefits-hub/

The Benefits Hub, in partnership with United Way, hosts the Gator Pantry and helps students connect to financial resources and tools to assist with staying financially stable while going to college. The Benefits Hub serves as a one-stop-shop for students to find resources and supports that can help address their basic needs. Recognizing that balancing the cost of living and paying for college can be difficult, we work with students to find resources both on and off campus that can help them meet their financial needs to reach their academic goals.

Campus Safety & Transportation

Student Affairs and Success Center, SA-156

(253) 288-3350 Non-emergency Line

(253) 288-2250 Emergency Line

www.greenriver.edu/safety

The goal of Campus Safety is to enhance the quality of campus life through the creation of a safe and secure environment for faculty, staff, students, and campus visitors to pursue a positive work and educational experience. This is accomplished by establishing

a partnership with the College community and our local partners which encourages mutual understanding, cooperation, and a fundamental desire to develop problem-solving strategies to address the issues of safety and emergency preparedness. These strategies include the Emergency Operations Center (EOC), our "Red Flag" campus reporting system and our emergency notification system known as Omnilert.

Campus Safety assists with emergency aid and parking lot patrol, takes the lead in campus-related crime prevention and investigations, performs security checks of college buildings, as well as overseeing after-hours facility access. Campus Safety will also render assistance to jump-start vehicles, help with locked vehicles, and escort people to their vehicles as requested.

Career and Advising Center

Student Affairs and Success Center, SA-104
(253) 288-3482

www.greenriver.edu/CareerAdvising

The Career and Advising Center provides comprehensive services designed to inform, support, and encourage individuals to be self-directed in the career exploration and educational planning processes. Educational Planners and Getting Started Specialists support the on-boarding of new students through their first year, until students identify their Green River degree or certificate program, at which time they are transitioned to a faculty advisor in their program of study. Career and Employment Services assist students with exploration and identification of an academic and career goal as well as employment readiness preparation and local job searches.

Cashier/Student Financial Services Office

Student Affairs and Success Center, SA-266
(253) 288-3399

www.greenriver.edu/Tuition

The Cashier/Student Financial Services Office facilitates the collection of tuition and related college fees, vehicle registration and distribution of student parking passes.

Center for Transformational Wellness

Student Affairs and Success Center, SA-122
(253) 333-6015

www.greenriver.edu/campus/campus-resources/ctw-benefits-hub/ctw@greenriver.edu

The Violence Prevention Program, Gators Thrive, and Wellness Services provide individual support to students and promote wellness for the college community. The

Violence Prevention Program implements campus-wide strategies to prevent interpersonal violence and provide support to all members of the campus community that have experienced stalking, harassment, sexual assault, and relationship violence. Gators Thrive includes individual and group recovery coaching to students who are either in recovery or interested in recovery. Recovery can mean healing from any harmful behavior such as substance misuse or disordered eating. The program practices harm reduction but can also provide support to students in 12-step programs who are practicing sobriety. Wellness Services includes drop-in support for students as well as access to free sexual health and menstrual supplies, toiletries, and snacks.

Pregnant and Parenting Support

Student Affairs and Success Center, SA-122
(253) 333-6015

www.greenriver.edu/campus/campus-resources/ctw-benefits-hub/

Being pregnant and/or parenting while and taking classes can be a lot to balance, but there are resources at the college to help. Lactation pods are available on campus for students and staff that need a private and secure space. Locations can be found on the campus map. The CCAMPIS program can assist eligible students with childcare costs and connect students with community resources. The Gator Pantry often has diapers, hygiene products, sexual health and menstrual products, clothes, and food. Though pregnancy is not a disability, some of the impacts of pregnancy can be considered a disability. Disability Support Services (DSS) can inform students of their rights as pregnant and parenting students and help set up accommodations in the classroom. Managing school and pregnancy/parenting can be taxing but GRC offers free Counseling Services for all enrolled students.

Conference and Event Services

Mel Lindbloom Student Union, SU-210
(253) 333-6010

www.greenriver.edu/conference

Conference and Event Services provides current students, chartered student clubs, faculty, staff, organizations, and community members with on-site event planning including room reservations, catering services, audio-visual needs, and web conferencing solutions on the main Green River campus. Food Services and coffee stands are available in the Student Union and Technology Center.

Counseling Services

Student Affairs and Success Center
(253) 351-6670

www.greenriver.edu/Counseling

Counseling Services provides short-term mental health counseling and self-care/wellness education to Green River students. Workshops and consultation services are offered for staff, faculty, and student organizations. Services are free and confidential.

Disability Support Services

Student Affairs and Success Center, SA-210

(253) 931-6460

TDD: (253) 288-3359

www.greenriver.edu/dss

Disability Support Services works with qualified students with disabilities in a confidential, respectful and safe environment to ensure equal opportunity with and access of academic and professional goals; and to promote an accessible community where students with disabilities have equal opportunity to participate in college programs and activities.

DSS makes available reasonable requested accommodations for individuals with disabilities with advance notice of need and may include but are not limited to: special location for testing; supplemental note taking assistance; alternatively-formatted textbooks; assistive technology; sign language interpreters; extended time on tests; supportive chairs; and referrals to campus and community resources.

Diversity, Equity & Inclusion

Mel Lindbloom Student Union, SU-240

Student Life Office

(253) 333-4973

www.greenriver.edu/diversity

The Office of Diversity, Equity and Inclusion offers culturally competent bilingual services to recruit and retain diverse individuals from under-represented populations. We educate and empower the College to value social justice. We develop high quality programming and diversity educational opportunities to enhance student success and community engagement.

eLearning

Tech Center, TC-218

(253) 288-3354

www.greenriver.edu/students/academics/e-learning/

eLearning provides students with 24/7 Help access from Canvas for Canvas related questions, coordination with the Student Help Desk to support technology for students,

and email and phone support directly to eLearning if there are questions or issues surrounding eLearning courses for help during regular business hours. Students can also self-enroll in our optional "How to be a Successful Student" course in Canvas to support their success in eLearning courses.

Financial Aid

Student Affairs and Success Center, SA-231

(253) 288-3392

www.greenriver.edu/financialaid

Financial assistance from grants, scholarships, loans and work-study programs is available to help cover college costs.

Food Service

Mel Lindbloom Student Union

(253) 288-3366

www.greenriver.edu/campus-life/food-services.htm

The Gator Grill is conveniently situated on the first floor in the Lindbloom Student Union and offers a variety of food service options - from hot lunch specials, burgers, sandwiches and salads to hot and cold beverages, and pastries.

There are two espresso stands on campus: one is in the Student Union and the other is in the Technology Center. In addition to espresso drinks, stop by for baked goods and grab-and-go items in between classes.

Green River College Foundation

Zgolinski Center, ZC-111

(253) 288-3330

www.greenrivercollegefoundation.org

The Green River College Foundation provides financial resources to students. Scholarships, completion loans, and emergency funding are available to students in need. You can find out about how the foundation can help you at greenriverfoundation.org

Housing - On Campus

Campus Corner Apartments (CCA)

On-Campus Housing

(253) 876-0700

www.greenriver.edu/campus-resources/student-housing/

Student housing is available for all Green River students. The apartment community is conveniently located across the street from the main Green River campus. CCA provides residents with a shared living experience in apartment units containing four private bedrooms. Housing fees include utilities, high speed internet, semi-private bathrooms and shared kitchen and living facilities. CCA also provides residents with reoccurring community programs and events. The community at CCA is supported by eight student Resident Assistants ("RA"s). These student leaders are selected, trained, and support their peers to build an engaged and individually focused community at CCA.

Indigenous Student Success Center (ISSC)

Student Affairs and Success Center, SA-227

(253) 288-5558

www.greenriver.edu/indigenous-student-resources/

The Indigenous Student Success Center (ISSC) at Green River College provides a welcoming space for Native students to connect, socialize, and study, while also facilitating access to a range of campus and community resources and support services to help them succeed in their academic journey, thrive in their college experience, and fulfill their goals.

The Indigenous Student Success Center also offers one-on-one advising sessions whereby Indigenous students can receive personalized support and guidance in optimizing opportunities and navigating academic, career, and personal challenges.

Indigenizing our academy and learning systems is crucial to honoring the diverse perspectives and experiences of Indigenous peoples and promoting a more equitable and inclusive education. One way to achieve this is through the promotion of Indigenous culture and ways of knowing.

Students will have the opportunity to engage in conversations, share their voice, and explore leadership opportunities through the Native American Student Organization (NASO). The Native American Working Group (NAWG) brings the GRC campus community (students, faculty, and staff) and Muckleshoot Tribal representatives together to develop relationships, programs, policies, and practices that will enhance the inclusion and success of Native and Indigenous students.

International Programs

International Village, Building D

(253) 288-3300

www.greenriver.edu/international

The International Programs office staff offers a variety of services, such as international admissions, orientation, assistance with immigration issues, academic, cultural and

individual university transfer advising, housing assistance, study abroad opportunities, and help getting involved on campus.

Judicial Affairs

Student Affairs and Success Center, SA-206
(253) 887-5404

www.greenriver.edu/students/judicial-programs/

Judicial Affairs, a unit within Student Affairs, seeks to educate students about their rights, responsibilities, and expectations as members of Green River College while providing a fair and educational process through which alleged violations of the Student Code of Conduct are adjudicated. Judicial Affairs offers workshops and presentations on the judicial process of the college, community standards, and other issues related to the Student Code of Conduct for faculty, staff, and students.

Library

Holman Library
(253) 931-6490

www.greenriver.edu/library

Holman Library provides research and computing support for students, faculty and staff. It houses the college library, an open computer lab, instructional classroom space, an art gallery, and media services for faculty.

Master Achiever Center (MAC)

Student Affairs and Success Center, SA-270
(253) 931-6515

www.greenriver.edu/students/academics/pre-college-basic-skills/the-mac/

The Master Achiever Center (MAC) provides an advising service for Transitional Studies, GED®, High School +, English Language Learning (ELL), and Integrated Basic Education and Skills Training (I-BEST) students.

Math Learning Center

Cedar Hall, CH-313
(253) 931-6478

www.greenriver.edu/students/academics/tutoring-resources/math-learning-center

The Math Learning Center provides free drop-in tutorial assistance to students in math courses, as well as a variety of other resources including math DVD's, an instructional

network of computers with some math related software, and access to current math textbooks. The MLC also offers quarterly graphing calculator rentals.

Office of the Registrar

Student Affairs and Success Center, SA-280
(253) 288-3383

www.greenriver.edu/otr

The Office of the Registrar is a comprehensive department which supports students in applying for admission, enrolling in classes, maintaining accurate and secure student records, transferring in credits from other institutions, and graduation requirements. The Office of the Registrar also provides services for student transcripts.

Open Doors

Rutkowski Learning Center, RCL-127
(253) 333-4968

www.greenriver.edu/students/academics/open-doors/

Open Doors office offers reengaging education services to the students, ages 16-21, who got disconnected from the High School system. Open Doors office creates multiple pathways for High-School-Completion success and boosts the opportunity to the post-secondary academic achievement.

Other Green River Locations

Auburn Center

1221 D ST NE, Auburn, WA 98002
(253) 288-3455
FAX: (253) 288-3469

www.greenriver.edu/students/academics/auburn-center/

The Auburn Center offers a variety of credit and non-credit classes serving the needs of the Auburn community and surrounding Auburn area. Programs include Aviation, Washington Environmental Training Center (WETRC), Washington Certification Services (WCS), Continuing Education (CE), College Readiness, high school diploma, English Language Learners and GED® prep, GED®, and the Small Business Assistance Center (SBAC). The community-based Auburn Center offers a personalized environment to students seeking degrees and personal enrichment, and to businesses who send employees to the campus for business training.

Kent Location

417 Ramsay Way, Suite 112, Kent, WA 98032
(253) 520-6290

www.greenriver.edu/kent

The Kent location offers many of the same services and credit programs as the main campus, as well as a wide variety of non-credit, business and contract training programs. It is located at Kent Station offering a unique study environment, with great restaurants, coffee shops, and retail shops nearby. This location is close to the Kent Library, King County Regional Justice Center, Sound Transit Commuter Train and bus station, and Highway 167.

Enumclaw Branch

1414 Griffin Ave, Enumclaw, WA 98022
(253) 288-3400 or (360) 829-2450

www.greenriver.edu/enumclaw

The Enumclaw branch offers a personalized environment to students seeking degrees or personal enrichment and to businesses that send employees for business training. The Enumclaw branch also offers many of the same services and programs as the main campus, such as student orientations, enrollment, advising, and placement testing at various times throughout the quarter.

Small Business Assistance Center

Located at the Auburn Center
1221 D ST NE, Auburn, WA 98002
(253) 520-6260
FAX: (253)288-3469

www.greenriver.edu/businesscenter

The Green River Small Business Assistance Center provides technical assistance to small businesses in the South King County area. Individual counseling sessions provided by certified business advisors offer business owners the chance to tackle and solve new business challenges. In addition, assessment, referrals and small business class training sessions are offered to meet the needs of local businesses.

The Paper Tree Bookstore

Mel Lindbloom Student Union
(253) 931-3961

www.greenriver.edu/bookstore

The Paper Tree bookstore is located on the first floor of the Mel Lindbloom Student Union. Students can purchase textbooks, art, school supplies, engineering supplies, college clothing, college gifts, and more. The Paper Tree has a small convenience store.

The Bookstore also offers a variety of products and services, such as faxing, copies, UPS delivery, ID cards, gift cards, balloon bouquets, and more. Students can order their books and supplies online at: www.greenriver.edu/bookstore.

The Paper Tree Bookstore is open Monday through Thursday from 7:45 a.m. to 5:00 p.m. and Friday 7:45 a.m. to 4:00 p.m. Hours vary during summer quarter and can be found on our website.

Refunds on textbooks are made the first 15 business days of each quarter, except summer quarter. Receipts are required for any refund or exchange. Sell your used textbooks for cash the last three days of each quarter.

Parking

Student Affairs and Success Center, SA-156

Campus Safety

(253) 288-3350

www.greenriver.edu/campus/parking

Students, staff and faculty are strongly encouraged to register their cars with Campus Safety to provide timely contact information in the event of an emergency involving their vehicle. Americans with Disabilities Act (ADA) compliant parking is available for vehicles with state-issued disability hang tags or license plates. The college has designated parking spaces for carpool, motorcycles, students and staff.

Placement & Testing Center

Student Affairs and Success Center, SA-148

(253) 288-3449

www.greenriver.edu/Placement

The Placement & Testing Center offers many services for future and current students, as well as for community members. Please visit our website for more details on each type of testing we offer.

Course Placement: Document Evaluation

Documents such as high school transcripts, college transcripts, placement exams from other institutions, GED results, SAT/ACT scores, etc. may be used for course placement.

Course Placement: Testing

Includes the College Success Reading assessment and WAMAP math entrance exam.

High School Equivalency Test

Is available in the form of GED® Testing.

Instructional Testing

Accommodated and make-up testing are available for current students. Students will need to reach out to their instructor to make arrangements for testing At the Placement & Testing Center.

Non-Green River Test Proctoring

Is available for individuals attending other institutions, as well as certifications and other employment tests for agencies.

Program Entry Testing

Is available for our selective admissions programs.

Running Start Program**Student Affairs and Success Center, SA-135**

(253) 288-3380

www.greenriver.edu/RunningStart

Running Start, a program created by the Washington State Legislature, provides an opportunity for academically qualified high school juniors and seniors to take college-level (numbered 100 or higher) courses for high school and college credit at a significantly reduced cost. Qualifying students must show eligibility for ENGL 101 and be enrolled through a public high school/district. Students who are home schooled or attend a private school are required to contact their local public high school/district for enrollment instructions. Running Start students are required to pay for textbooks, supplies, and fees. A fee waiver/book loan program is available for those who qualify.

The decision to begin college early is an important one. Students are encouraged to discuss the decision carefully with parents or guardians and high school counselors. For more information visit www.greenriver.edu/RunningStart.

Student Handbook**Mel Lindbloom Student Union****Information Desk**

The college produces an annual student handbook which is available at the Campus Life Information Center. The handbook explains current student services, college and academic resources, as well as policies and procedures.

Student Life**Mel Lindbloom Student Union, SU-240****Student Life Office**

(253) 931-6450

Student Life offers a variety of student-centered programs, events and resources, including the Campus Life Leadership program, ASGRC student government, the Gator Activities Board, clubs, lectures, musical entertainment, diversity education and other opportunities to engage in life outside of the classroom, to the student body. Student Life hosts events to foster personal and professional relationship building, cultivate community connections, and support a healthy school-life balance.

Technology Center

The Technology Center is an active place on campus with an Espresso Café on the main level where students gather to study and interact. There are computer equipped classrooms throughout this building with a quiet study lab on the second floor which has over 120 computers, a plotter, one color and three black ink printers, scanners and several group study areas.

Transportation

Student Affairs and Success Center, SA-156
(253) 288-3350

www.greenriver.edu/campus/parking

Green River participates in the Washington Commute Trip Reduction Program (Chapter 468-63 WAC). Students are encouraged to ride one of our 25 or 39 passenger buses or carpool to campus, all free to the students. Bus route 164 runs from downtown Kent to the East Hill on its way to Green River. Bus route 181 runs from Federal Way through downtown Auburn to Green River. Carpools are encouraged, as well as guaranteed parking on a pay by the day or by the quarter basis in our P5 parking lot.

The after-hours Safety Ride Program provides marked vans to transport persons to and from CCA to nearby apartments, home shares, Holman Library, and local stores withing the Green River designated routes at night as a safer alternative to walking. The Safety Ride Program is available to any Green River student, staff or faculty member within the ride service area.

TRiO Student Support Services

Student Affairs and Success Center, SA-211
(253) 288-3478

www.greenriver.edu/trio

TRiO SSS is a federally funded program offering support and services for students who are first-generation*, low-income, and/or have a documented disability. TRiO recognizes that students face unique obstacles that impact their access to education. The TRiO team provides comprehensive, ongoing support services to address institutional barriers and help students navigate individual challenges as they move toward their academic,

career, and professional goals. Services include academic planning, career exploration, tutoring, computer lab and study space, scholarship and financial aid application assistance and resources, workshops, events, and more.

*first-generation is defined as the parent(s), either birth or adoptive, with whom a student lives/lived until the age of 18, not having a bachelor's degree or higher. A student who did not live with either birth or adoptive parent(s) is also considered first-generation.

Tutoring and Resource Center

Holman Library

(253) 931-6475

www.greenriver.edu/trc

Students receive free tutoring at the Tutoring and Resource Center located on the second floor of the library. Faculty-approved tutors provide assistance with all subject areas except math and writing. See [Math Learning Center](#) and [Writing Center](#).

Veteran Services

Student Affairs and Success Center, SA-225

(253) 288-3452

www.greenriver.edu/veterans

Please stop by Veteran Services Office if you are a military-connected student (i.e. veteran, active duty/reserve service member, National Guard, or eligible dependent (spouse/child) of a veteran/service member), regardless of VA education benefit eligibility. Students wishing to use Post 9/11 GI Bill®, Veteran Readiness & Employment, Survivors' and Dependents' Educational Assistance, Fry Scholarship, Montgomery GI Bill® or Montgomery GI Bill® Selected Reserve benefits must contact a School Certifying Official in Veteran Services. If you are uncertain of your VA benefit eligibility, contact VA Education and Training at 888-442-4551 for assistance or send a secure message through www.ask.va.gov.

Veteran Services has an in-office academic advisor to assist with military student education planning needs. This service is open to all GI Bill® participants, Active-Duty, and military-connected students regardless of VA education benefit use. To schedule an appointment, please visit the Veteran Services website, stop by SA 225, or give us a call.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at www.benefits.va.gov/gibill.

Veterans Lounge

Student Affairs and Success Center, SA-224
(253) 288-3452

Veteran and Military-connected students are welcome to visit our Veterans Lounge for a quick coffee break, or to find out more information about available resources. Available VA Work Study students can assist Veterans and their family members by connecting them to resources on and off campus. We also hold workshops in this space to help support the Veteran and Military-connected students in learning new skills or developing current ones.

Welcome Desk

Student Affairs and Success Center
(253) 333-6000

www.greenriver.edu/campus/welcome-desk

The Welcome Desk is often one of the first places on campus students visit as they begin their college journey. Staff field questions from prospective, new, and continuing students as well as campus visitors, staff and faculty. The Welcome Desk team provides program information and detailed instructions on the steps to getting started to help students navigate moving from prospective students to being enrolled students.

Writing Center

Rutkowski Learning Center, RLC-173
(253) 333-6022

www.greenriver.edu/students/academics/tutoring-resources/writing-reading-center

The Writing Center offers one-on-one consulting services for students at all stages of the writing process with assistance from faculty and student tutors. Though the Center cannot guarantee you error-free papers, they can help you to improve in the areas you choose to work on.

Workforce Education

Student Affairs and Success Center, SA-270
(253) 931-6550

www.greenriver.edu/workforce

Workforce Education administers programs that provide free or reduced tuition to students who qualify. A number of our programs also assist with books, fees, and, in some cases, educational supplies.

WorkFirst

WorkFirst helps people in need learn job-specific skills so that they can earn a better living. Participants who qualify for WorkFirst can receive financial aid to pay for tuition, books, and fees.

Opportunity Grant

The Opportunity Grant funds tuition, fees, and money for books for low-income students in specific, state-approved career paths, as well as for undecided students who begin their studies in one of the approved paths.

Worker Retraining

Worker Retraining is a partnership of community and technical colleges and the Washington State Employment Security Department. It provides job training for both unemployed workers and those who face imminent layoffs.

Academic Information

Academic Opportunities

College in the High School

Student Affairs and Success Center, SA-135
(253) 288-3380

www.greenriver.edu/collegeinhs

College in the High School (CHS) is an opportunity for high school sophomores, juniors, and seniors to enroll in Green River College classes at their high school, earning college credit which applies towards an associate degree and a high school diploma. Students must meet all prerequisites before enrolling in the CHS course. Students should check with their high school counselor, teacher or visit www.greenriver.edu/collegeinhs for more information.

Career and Technical Education (CTE) Dual Credit

Student Affairs and Success Center, SA-135
(253) 288-3383

Career and Technical Education (CTE) Dual Credit, formerly known as Tech Prep, gives students an opportunity to get a jump-start on their future by preparing for college and a career while still in high school. The program allows students to earn both high school and career/technical college credit for completing select high school courses with a grade of "C" (2.0) or higher.

To earn CTE Dual Credit:

1. Students enroll in high school Career and Technical Education classes offering CTE Dual Credit.
2. Earn a "C" (2.0) or higher.
3. Apply for Admission at Green River College.
4. Complete a [CTE Dual Credit Transcription Request Form](#) and submit it to the Office of the Registrar through the secure document upload tool at www.greenriver.edu/upload.

eLearning

(253) 288-3354
eLearning@greenriver.edu
[Student eLearning Website](#)

Most courses at Green River College have digital aspects from assignments and grades on Canvas to software tools. However, each class is defined with a specific mode - virtual, online, or hybrid - which give students additional options in pursuing courses, degrees, and certificates. These courses utilize educational technologies such as Canvas, WAMAP, or other specialized learning management systems, Zoom or other virtual meeting tools, applications or integrations such as but not limited to Pearson, McGraw-Hill, OneDrive, Hypothesis, Turnitin, and Panopto, as well as the internet, in addition to regular class materials, digital or otherwise, to assist students.

Virtual and online courses can be convenient, but to be successful students need to be able to work independently, have strong time-management skills, and be committed to the time for study that equals that of an in-person course (2-3 hours outside of class for every credit).

Modalities with no in-person component

- **Completely Virtual:** A virtual course is one where the course is face-to-face in a **virtual** web-conferencing technology with your instructor at a particular time. Then there is the typical homework and studying as well. For example, if the class begins at 9 a.m. in the class schedule, then it will begin at 9 a.m. on Zoom or another virtual format. Students will be attending the class at the same time as classmates, just as they would on campus.
- **Virtual Hybrid:** A virtual-hybrid course is one where the course is split into two parts. Some of the course is face-to-face in a **virtual** web-conferencing technology with your instructor at a particular time and some of the course is **online** without a set time to meet. Then there is the typical homework and studying as well.
- **Online:** An online course is one where the course is entirely **asynchronous**, where there is no set time to meet. All lecture, activities, and assignments are completed **online**. The class will still have assignment deadlines and due dates and then there is the typical homework and studying as well.

Modalities with an in-person component

- **In-person:** An in-person course is one where class times are listed in the schedule and classes will meet in an **in-person** format on campus. These courses may shift to virtual, online, or hybrid/virtual using Zoom or other virtual format if the campus closes. The instructor will let alert you if there are changes. In addition, there is the regular homework and studying.
- **Hybrid:** An in-person-hybrid course is one where the course is split into two parts. Some of the course is **in-person** in a classroom with your instructor at a particular time and some of the course is fully **online** without a set time to meet. Then there is the typical homework and studying as well.

The current quarter's course offerings can be viewed by visiting www.greenriver.edu/students/online-services/class-registration-and-schedule-planner/. Click on View Class Search and then you can search for courses by mode.

English Language Learning (ELL)

Student Affairs and Success Center, SA-270
(253) 288-6680

www.greenriver.edu/students/academics/pre-college-basic-skills/esol

ELL classes are designed for students who want to improve their English language fluency, reading, writing, speaking, listening, and basic computer literacy skills. Classes provide life skills, general job skills, and preparation for academic classes. Classes are available in the morning, afternoon, and evening at the Green River and Kent campuses and at community sites.

High School Equivalency Test Preparation

Student Affairs and Success Center, SA-270
(253) 931-6515

www.greenriver.edu/students/academics/pre-college-basic-skills/ged

Green River offers high school equivalency test preparation classes to assist students in preparing for the GED® tests. Classes are available for students who are 16 years of age or older. Students under the age of 19 must have the appropriate signed release forms from their high school to enroll in high school equivalency classes and to take the GED®. Additional information is available online at the [Green River website](#), in the Course Descriptions portion of this catalog, and in the [quarterly class schedule](#).

The GED® test credential is recognized by most employers and 95% of U.S. colleges and universities. More than half of the GED® test-takers intend to go on to college or post-secondary training. Green River is a test site for the GED® test. Please visit www.greenriver.edu/testing for more information about testing.

Intensive English Program

International Village, Building A
(253) 288-3300

www.greenriver.edu/intensive-english

The Intensive English Program helps prepare international students to study at American colleges and universities. It offers small classes and personal attention from highly qualified instructors, at five different levels from beginner to college-level academic preparation.

Open Doors Program

Rutkowski Learning Center, RLC-127

(253) 333-4968

www.greenriver.edu/students/academics/open-doors

Open Doors at Green River College is a partnership between Green River College and the local school districts (currently including Auburn, Kent and Tahoma School Districts) that aims to provide the students, ages 16-21, who have yet to earn a high school diploma, with a variety of options to reach their educational goals.

To qualify, students need to meet the following eligibility requirements:

- Be between 16 and 21 years old.
- Need to earn a high school diploma (earning a GED does not disqualify you).
- Be at least one year behind in credits toward the high school graduation, OR one year or more past the original graduation date.

Running Start

Student Affairs and Success Center, SA-135

(253) 288-3380

Running Start, a program created by the Washington State Legislature, provides an opportunity for academically qualified high school juniors and seniors to take college-level (numbered 100 or higher) courses for high school and college credit at a significantly reduced rate. Qualifying students must show eligibility for ENGL& 101 and be enrolled through a public high school/district. Students who are home schooled or attend a private school are therefore required to contact their public high school/district for enrollment instructions. Running Start students are required to pay for textbooks, supplies, and fees. A fee waiver/book loan program is available for those who qualify.

The decision to begin college early is an important one. Students are encouraged to discuss the decision carefully with parents or guardians and high school counselors. For more information visit www.greenriver.edu/RunningStart.

Study Abroad

International Village, Building D

(253) 931-6845

www.greenriver.edu/studyabroad

Offers study abroad opportunities to GRC students, with classes taught by Green River or other Washington State Community College faculty. Classes satisfy general education requirements and count toward many AA-transfer degrees. No foreign language experience is necessary to participate! All academic students are eligible including

Running Start, International, Traditional and Non-Traditional students. There is always at least one program offered per quarter. Annual programs include Japan (every Fall), Australia & New Zealand (every Winter), Costa Rica and South Korea (every summer). Other locations rotate bi-annually, including but not limited to: France, Germany, Italy, Netherlands, & Spain. Students may also choose to participate in other programs outside of those sponsored by GRC, and we can provide guidance on how to do so. We are also very happy to help students apply for scholarships and learn how they can use their financial aid to help pay for study abroad costs.

Washington State Center of Excellence for Careers in Education

(253) 833-9111, ext. 4360

www.greenriver.edu/students/academics/future-educators

The Washington State Center of Excellence for Careers in Education, housed at Green River College, provides support, mentoring, and advising to community colleges and their K-20 partners for the creation and expansion of career-ladder programs in education.

The Center provides a yearly best practices conference, a comprehensive Web site, curriculum development and dissemination, and training for K-20 instructors and paraprofessionals.

Visit the [Careers in Education webpage](#) directly for more information.

Project TEACH

Project TEACH is a pre-service teacher preparation program designed to provide future educators with seamless pathways to teaching careers. Programs include certificates and degree for those interested in early childhood education, para-education positions, and transfer to complete full teacher certification. Future elementary teachers can complete an Associate degree in elementary education. Future secondary teachers of math and science can also complete specialized AA or AS-T degrees.

For more information about project TEACH, visit

www.greenriver.edu/students/academics/future-educators.

College Opportunities

ASGRC Student Government

Mel Lindbloom Student Union, SU-240

www.greenriver.edu/students/get-involved/asgrc-student-government

As an integral part of the college structure, the Associated Students of Green River College (ASGRC) handles student complaints, provides funding for campus clubs, athletics and activities and provides reports about student needs and welfare directly to the College Administration and Board of Trustees.

Interested students are encouraged to apply for an appointed position or run for office. Everyone is encouraged to vote during elections. The Associated Students of Green River College (ASGRC) president, vice president and chief justice offices are located in the Student Life office. Meetings are open, if you want to get involved come to any meeting and learn how you can make a difference on campus.

Athletics

Mel Lindbloom Student Union, RAC
(253) 931-6467

www.greenriver.edu/athletics

The Green River Athletic Department works to enrich the campus community through the recruitment of uniquely talented students and to foster positive public relations through interscholastic competition, academic integrity and character enrichment.

Green River College offers six sports, including Women's Volleyball, Women's Soccer, Men's and Women's Cross Country, Women's Basketball, Men's Basketball, and Men's and Women's Track and Field. Gator Athletics is a proud member of the Northwest Athletic Conference, NWAC. Our athletics programs are governed by the rules and regulations of the NWAC.

Campus Life Leadership

Mel Lindbloom Student Union, SU-240

www.greenriver.edu/students/get-involved/leadership

The Campus Life Leadership Program, is a unique opportunity within the Washington community college system for self-motivated, hard-working students to challenge themselves and gain substantial work experiences. Qualified students learn valuable lessons with hands-on experience in managing a program while earning money. Each position assumes responsibility for planning, organizing, budgeting and implementing activities to meet the varied needs of Green River students, faculty, staff and surrounding communities. During the Summer participants spend a portion of their time in workshops and training sessions that supplement their on-the-job training. Training also focuses on the communications skills necessary for the Campus Life leaders to become student ambassadors for the college. The experience and abilities gained in this program have helped many Campus Life leaders move on to highly successful careers.

Clubs and Organizations

Mel Lindbloom Student Union, SU-240

www.greenriver.edu/students/get-involved/clubs-and-government

Clubs & Organizations are an important part of Student Life at Green River College. Whether you are looking to meet new people, share a common interest, plan campus events or volunteer, there is a club for you! Being involved with a Green River student group is a great way to connect with the Gator community and build relationships with fellow students, staff and faculty.

There are over 30 clubs and organizations each year that focus a variety of topics and interest, including academics, multicultural issues, and social opportunities. Student clubs and organizations are open to all students, although few clubs have membership criteria.

Performing Arts

www.greenriver.edu/musicprogram

The college is home to the Green River Jazz Voices and Green River Theatre Company. The college's theater program offers a play or musical each quarter with a student cast. Admission to Jazz Voices is by audition and to participate in Green River Theatre a student must enroll in the DRMA 111 sequence. For ticket information, call Student Life at (253) 288-6450.

Recreation and Athletics Center

Mel Lindbloom Student Union, RAC

(253) 288-2482

www.greenriver.edu/RAC

The Recreation and Athletics Center (RAC) strives to provide safe and healthy outlets for Green River students to exercise and play sports.

Options include lifting weights in the weight room, using cardio machines in the Fitness Center or joining a group fitness class. We also offer a full open gym schedule as well as Intramural Sports leagues and tournaments where you can join fellow Gators in a friendly game of basketball, soccer, badminton, table tennis or volleyball.

Important Academic Information

Academic Standards and Progress Policy

Every student who enrolls at Green River becomes a partner with the college and the State of Washington with shared responsibilities for progress and completion of their program of study. As part of our responsibility to each student and to the State

(which helps to fund each student's college education), Green River has established minimum expectations of student progress and academic performance.

The college monitors student progress and academic performance and intervenes when academic standards are not being met. In such cases, the college may determine a student is not benefiting from continued enrollment and may take steps to limit or deny future enrollment.

In 2003, the Washington State Legislature established a law requiring colleges to develop policies "to ensure that undergraduate students complete degree and certificate programs in a timely manner in order to make the most efficient use of instructional resources and provide capacity within the institution for additional students." This legislation (RCW 28B.10.695) requires student academic progress policies address:

1. Excessive Credits: Students who accumulate more than 125% of the number of credits required to complete their degree or certificate programs.
2. Credit Completion: Students who drop more than 25% of their course load before the grading period for the quarter, which prevents efficient use of instructional resources.
3. Academic Standards: Students who remain on academic probation for more than one quarter.

The college has adopted the Academic Standards and Progress Policy to support student success. The complete policy is published in the student handbook and online at www.greenriver.edu/campus/policies-and-procedures/student-affairs-policies/sa-1-academic-standards-progress-policy/.

Academic Credit for Prior Learning (Formerly Prior Learning Assessment)

Green River College offers students the opportunity to earn credit for prior non-traditional education and/or work experience. Students who wish to receive credit(s) for prior learning must complete the Academic Credit for Prior Learning Request form in coordination with an assigned faculty member and pay regular tuition based on the number of credits requested. Academic Credit for Prior Learning (ACPL) credits are awarded for one to two credits per quarter.

Students will be assessed through credit by testing, course challenge or prior experiential learning/extra-institutional learning assessment which will determine the courses to which the students have met the learning outcomes. These courses must be current and correspond to the course(s) taught at Green River.

Students will work with an assigned faculty member to evaluate their Academic Credit for Prior Learning in relation to the competencies of the program and will be awarded credit for demonstrated learning outcomes that are appropriate to the course.

Assessment methods could be a test, demonstration, written documentation, oral interview, or other appropriate method by which the faculty member determines the students' understanding of the subject matter.

Grades and credits will be assigned to ACPL awards and will be posted to the student's transcript. Credits earned through ACPL at any Washington Community and Technical Colleges will be accepted toward the appropriate course or program at any other Washington Community and Technical College.

Credit by Challenge

Students may enroll for credit by challenge in a course with the instructor's approval if:

- The student believes he or she has achieved the required knowledge or skills necessary to receive credit without regularly attending the class sessions; and
- The student is eligible to take the course.

Courses offered by the college but not appearing in the quarterly class schedule may be challenged by requesting a course be added to the schedule for "credit by challenge" purposes. Students who wish to challenge a course must:

- Consult with the instructor of the class they wish to challenge; and
- Pay regular tuition and fees.

All procedures for the granting of credit by challenge, other than those related to the registration process, are determined by the appropriate instructor and approved division procedures.

Age Exception Policy

Students under the age of 18 who have not earned a diploma, or the equivalent, from an accredited high school may be admitted only upon appropriate release from their high school, to include summer quarter. Home schooled and Running Start students are also subject to the special admission requirements outlined below. Students will be required to submit a High School Release Form or Running Start Enrollment Verification Form signed by the appropriate high school official when they apply for admission. Applications for underage students must have a signed release form submitted in order to be processed.

Students under the age of 16 normally will not be admitted. If a potential student will not turn 16 during their first quarter of enrollment, the student must contact the Director of Career and Advising to seek an exception.

Exemptions will be made according to the following criteria:

- The student must be referred to Green River by an academic institution or educator. This referral must include a release form from the student's school district of residence, signed by the counselor (referring agency) and the student's parent or guardian. The high school release form must be submitted each quarter with an annotation by the high school counselor identifying specific class(es) the student is recommended to take.

- Students who are admitted must complete formal enrollment prior to the first day of the quarter.
- If it is determined the student is eligible for courses available through the public school system, the student should not be enrolled.
- Students must meet course prerequisites and demonstrate academic preparedness through appropriate placement or an independent evaluation by a full-time faculty member from the appropriate division(s).
- An evaluation of the student's maturity/college readiness must be conducted. This can be accomplished through a personal interview between the student, the Director of Career and Advising, the dean of the appropriate academic division or the instructor of record for the course(s) to be taken. It may be appropriate to include the parent/guardian of the student in these discussions.
- Exemption requests must be made at least 15 working days prior to the start of the academic quarter in which the applicant wishes to enroll.

Students not complying with these procedures will be withdrawn.

Reciprocity Agreement Policy

Washington community and technical colleges (CTCs) offer reciprocity to students transferring within the CTC system who are pursuing the Direct Transfer Agreement (DTA) degrees or the Associate in Science-Transfer (AS-T) degrees. Students who complete an individual course, meeting degree distribution requirements, or fulfill entire areas of their degree requirements at one college will be considered to have met those same requirements if they plan to complete the same degree when they transfer to another community or technical college in Washington. These degree requirements include Communication Skills, Quantitative Skills, or one or more Distribution Area requirements. Students must initiate the review process and must be prepared to provide the necessary documentation. For complete information go to www.greenriver.edu.

Student Code of Conduct/Student Rights and Responsibilities

As a student at Green River College, you have the responsibility and expectation to maintain an environment conducive to the academic success, safety, and well-being of others. The Student Code of Conduct identifies the rights that are guaranteed individual students and the responsibilities of students in our college community according to state law and college policy. The provisions of the code apply to all students whenever they are on campus or engaged in any college-sponsored activity or function.

To review the Student Code of Conduct, please visit www.greenriver.edu/conduct.

Learning Outcomes

Green River College is committed to the continuous improvement of teaching and learning. To this end, the faculty generated and defined four Campus-wide Learning Outcomes. These are outcomes that should be addressed in a variety of classes within a student's degree or program of study. Green River believes students who can demonstrate proficiency with the Campus-wide Outcomes, as well as content within their specific subject areas, are more likely to achieve success in the workplace and in future educational endeavors.

Green River College assesses learning outcomes at three levels: course, program and campus wide.

Course Learning Outcomes

All students completing a degree will be exposed to and are expected to demonstrate proficiency with the four Campus-wide Outcomes: Written Communication, Critical Thinking, Diversity and Equity, Responsibility, and Quantitative and Symbolic Reasoning. Course learning outcomes communicate clear goals for student learning in an individual course. Faculty adopt course-level student learning outcomes that are published in the program and course descriptions, as well as on course syllabi.

Written Communication

Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Critical Thinking

Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity

In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility

Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning

Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Program Learning Outcomes

Program learning outcomes communicate the skills and abilities a student completing a particular program will leave being able to do and demonstrate. In career technical programs, faculty adopted program-level outcomes that are synonymous with degree-level outcomes. In academic transfer, faculty adopted program-level outcomes that are discipline-specific.

Faculty defined program outcomes at either the departmental or divisional level for assessment in the corresponding areas. Program-level outcomes are published on the program description pages and in syllabi.

Related Instruction Outcomes

Associate in Applied Arts Degree (AAA) and Associate in Applied Science Degree (AAS)

The Associate in Applied Arts (AAA) and Associate in Applied Science Degree (AAS) at Green River have specific related instruction requirements. These requirements include instruction in communication, computation, and human relations. These related instructions requirements will be met either through embedded instruction or by separate stand-alone classes that will be identified under the degree in the catalog.

Outcomes Assessment Process

In order to assess the effectiveness of its instructional programs, the college evaluates student achievement of published learning outcomes at the course, program, and campus wide levels.

- At the course level, course outcomes for all sections of each course are listed in the College Catalog. Instructors list these outcomes in their syllabus. Instructors continually improve their teaching based on feedback from assignments that assess their course outcomes.
- At the program level, each program (defined as a division or a department, depending on what makes sense in each academic area) has published Program Outcomes which are listed in the College Catalog. Programs then complete a yearly Program Assessment Project to assess their outcomes and make improvements to their program. These projects are reported regularly with the VPI during the Program Assessment and Improvement process.

- At the campus level, each course identifies at least one Campus-wide Outcome that it addresses. This is listed in the outcomes for the course in the College Catalog. Student achievement of the Campus-wide Outcomes is assessed yearly across discipline areas and degrees. Faculty use these findings to continually improve student learning of these outcomes.

Transfer Credit Information

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same, or similar courses. However, each institution has its own policy, and transferability should never be assumed. The Career and Advising staff are available to answer most questions involving transfer of credits and can provide transfer guides for most four-year colleges and universities in Washington State.

Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students are responsible for knowing transfer requirements and policies and are urged to consult the catalog of the college, which they plan to attend after Green River.

Articulation Agreements

Green River recognizes a quality education takes place in other learning institutions. In realization of this, Green River has signed articulation agreements with area high schools, as well as other institutions of higher learning. Articulation agreements are agreements by which credits taken at a particular institution are accepted automatically at another, allowing all requirements of the agreement have been met.

Reciprocity Agreement

Washington community and technical colleges (CTCs) offer reciprocity to students transferring within the CTC system who are pursuing the Direct Transfer Agreement (DTA) degrees or the Associate in Science-Transfer (AS-T) degrees. Students who complete an individual course meeting degree distribution requirements or fulfill entire areas of their degree requirements at one college will be considered to have met those same requirements if they plan to complete the same degree when they transfer to another community or technical college in Washington. These degree requirements include Communication Skills, Quantitative Skills, or one or more Distribution Area requirements. Students must initiate the review process and must be prepared to provide the necessary documentation. For complete information go to www.greenriver.edu.

Transfer Institution Agreements

Green River has been working with several four-year institutions, both in the state of Washington and bordering states such as California, Oregon, Idaho and Montana. These agreements are designed to provide a smooth transition from Green River into specific college departments. The agreement between Green River and the other colleges identifies specific courses, if taken, will be allowed for automatic credit at the other institution. In doing so, Green River is enabling students to, for the most part, transfer directly into their majors. Students should contact their Green River program advisor for agreements in their area of study.

High School Agreements

Green River recognizes a quality education takes place in area high schools and has signed articulation agreements with many schools to grant college credit to students earning a grade of a C (2.0) or higher in their high school career/technical courses. Credits are posted to transcripts the following quarter in which they were earned.

To qualify, students must meet specific requirements established by the college and high school instructors and apply for credit through their high school and pay associated fees. Further agreements between high schools and additional career/technical programs are being developed. Students can contact their high school counselor for more details.

Career and Technical Education (CTE) Dual Credit (formerly Tech Prep)

CTE is a course of study which combines academic and career/technical instruction in the high school setting, and then directly applies those high school credits to a specific community or technical college program (see Programs of Study).

Articulation agreements between area school districts and Green River College have been developed. CTE articulation agreements allow high school students to earn both high school and community/technical college credit through the "Direct Credit" program.

Military Service School Credit Information

Some credits for military personnel's military school and experiences are granted according to the publications of the American Council on Education.

Note: Some four-year schools will not accept military credits.

Advanced Credit Information

Some students may receive credit through the Advanced Placement Program of the College Entrance Examination Board, articulation agreements with area high schools, International Baccalaureate credit, and military school or experience. Information regarding these programs is detailed in the Getting Started section.

Advanced Placement (AP) (College Board)

Effective July 1, 2019

The Advanced Placement Program® is a cooperative educational endeavor between secondary schools and colleges and universities. The program provides motivated high school students with the opportunity to take college-level courses in a high school setting. Students who participate in the program not only gain college-level skills, but in many cases they also earn college credit while they are still in high school. AP courses are taught by high school teachers who follow course guidelines developed and published by the College Board.

Green River grants credit in a variety of subject areas for students who have obtained a particular score on their College Board Advanced Placement examinations. These exams are given by the Educational Testing Service at locations around the country. Students must submit an official copy of AP scores. Upon evaluation of those scores, the student will be notified by email of acceptable credits. Credit is posted to the student transcript at the time of graduation only.

Below is the list of division policies on granting placement or credit for AP examinations. Scores range from a high of five to a low of one; in most departments, credit and/or placement is awarded for scores of three or higher. In some cases, the student must consult the appropriate departmental advisor.

Advanced Placement - Test Score Equivalencies

AP TEST	Score	Course (Credit)	General Education Category	Comment
African American Studies	3-5	Elective (5)	Humanities or Social Science	
Art: Art History	3-5	ART& 100 (5)	Humanities/Fine Arts/English	Previously Art Appreciation
Art: Studio Drawing	3	Elective (5)	Elective	
Art: Studio Drawing	4-5	ART 900	Humanities/Fine Arts/English	
Art 2D Design	3-5	ART 900	Humanities/Fine Arts/English	

Art 3D Design	3-5	ART 900	Humanities/Fine Arts/English	
Biology	3-5	BIOL& 100 (5) or BIOL& 160 (5)	Natural Science	Lab
Calculus AB	3-4	MATH& 151 (5)	Natural Science	Basic Skills-Quantitative/Reasoning
Calculus AB	5	MATH 151 and MATH 152 (10)	Natural Science	Basic Skills-Quantitative/Reasoning
Calculus BC	3-5	MATH 151 and MATH 152 (10)	Natural Science	Basic Skills-Quantitative/Reasoning
Chemistry	3-4	CHEM& 121 or CHEM& 161 (5-6)	Natural Science	Lab
Chemistry	5	CHEM& 121 or CHEM& 161 and CHEM& 162 (11-12)	Natural Science	Lab
Chinese Language & Culture	3	CHIN& 121 (5)	Humanities/Fine Arts/ English	
Chinese Language & Culture	4	CHIN& 121 or CHIN& 122 (5)	Humanities/Fine Arts/ English	
Chinese Language & Culture	5	CHIN& 121, CHIN& 122 CHIN& 123 (10)	Humanities/Fine Arts/ English	

Computer Science A	3-5	CS 121 (5)		
Computer Science AB (exam no longer offered)	3-4	CS 121 (5)		
Computer Science AB (exam no longer offered)	5	CS 121 CS 122 CS 123 (15)		
Computer Science Principles	3-5			We don't have a course compatible
Economics (Micro)	3-5	ECON& 201 (5)	Social Science	
Economics (Macro)	3-5	ECON& 202 (5)	Social Science	
English Language/Composition	3	Elective (5)	Elective	
English Language/Composition	4-5	ENGL& 101 (5)	Basic Skills	Basic Skills-Communication
English Literature/Composition	3-5	ENGL 900 (5)	Humanities/Fine Arts/English	
Environmental Science	3-5	ENVS 900 (5)	Natural Science	
French Language & Culture	3	FRCH& 121 (5)	Humanities/Fine Arts/English	
French Language & Culture	4	FRCH& 121 or FRCH& 122 (5)	Humanities/Fine Arts/English	

French Language & Culture	5	FRCH& 121, FRCH& 122 FRCH& 123 (10)	Humanities/Fine Arts/ English	
French Literature	3	FRCH& 121 (5)	Elective	
French Literature	4	FRCH& 121 or FRCH& 122 (5)	Humanities/Fine Arts/English	
French Literature	5	FRCH& 121, FRCH& 122 FRCH& 123 (10)	Humanities/Fine Arts/English	
German Language & Culture	3	GERM& 121 (5)	Humanities/Fine Arts/English	
German Language & Culture	4	GERM& 121 or GERM& 122 (5)	Humanities/Fine Arts/English	
German Language & Culture	5	GERM& 121, GERM& 122 GERM& 123 (10)	Humanities/Fine Arts/English	
Government & Politics: Comparative	3	Elective (5)	Elective	
Government & Politics: Comparative	4	POLS& 101 or POLS& 202 (5)	Social Science	
Government & Politics: Comparative	5	POLS& 101 & POLS& 202 (10)	Social Science	

Government & Politics: US	3	Elective (5)	Elective	
Government & Politics: US	4-5	POLS& 202 (5)	Social Science	
History (European)	3-5	HIST 230 (5)	Social Science	
History (US)	3-4	HIST& 136 or HIST& 137 (5)	Social Science	
History (US)	5	HIST& 136 & HIST& 137 (10)	Social Science	
History (World)	3-5	HIST& 126, HIST& 127, HIST& 128 (5)	Social Science	
Human Geography	3-5	GEOG& 200 (5)	Social Science	
Italian Language & Culture	3-4	F/L 900 (5)	Humanities/Fine Arts/English	
Italian Language & Culture	5	F/L 900 & F/L 901 (10)	Humanities/Fine Arts/English	
Japanese Language & Culture	3	JAPN& 121 (5)	Humanities/Fine Arts/ English	
Japanese Language & Culture	4	JAPN& 121 or JAPN& 122 (5)	Humanities/Fine Arts/ English	
Japanese Language & Culture	5	JAPN& 121, JAPN& 122, JAPN& 123 (10)	Humanities/Fine Arts/ English	
Latin Literature	3-5	HUMAN 900 (5)	Humanities/Fine Arts/ English	

Latin: Virgil	3-4	HUMAN 900 (5)	Humanities/Fine Arts/ English	
Latin: Virgil	5	HUMAN 900 & HUMAN 901 (10)	Humanities/Fine Arts/ English	
Latin Literature & Culture	3-5	HUMAN 900 (5)	Humanities/Fine Arts/ English	
Music Theory	3	MUSC& 131 (3)	Humanities/Fine Arts/ English	
Music Theory	4-5	MUSC& 121 & MUSC& 131 (5)	Humanities/Fine Arts/ English	
Music Listening/Literature	3-5	MUSC& 105 (5)	Humanities/Fine Arts/ English	
Pre-Calculus	3	MATH 141 (5)	Natural Science	Basic Skills-Quantitative/Reasoning
Pre-Calculus	4-5	MATH 141 & MATH 142 (10)	Natural Science	Basic Skills-Quantitative/Reasoning
Physics 1	3	PHYS 900 (5)	Natural Science	
Physics 1	4-5	PHYS& 114 (5)	Natural Science	Lab
Physics 2	3	PHYS 900 (5)	Natural Science	
Physics 2	4-5	PHYS& 115 (5)	Natural Science	Lab
Physics B	3-5	PHYS 900 (5)	Natural Science	

Physics C (Mechanics)	3	PHYS 900 (5)	Natural Science	
Physics C (Mechanics)	4-5	PHYS& 221 (5)	Natural Science	Lab
Physics C (Elect. & Mag.)	3	PHYS 900 (5)	Natural Science	
Physics C (Elect. & Mag.)	4-5	PHYS& 222 (5)	Natural Science	Lab
Psychology	3	Elective (5)	Elective	
Psychology	4-5	PSYC& 100 (5)	Social Science	
Spanish Language & Culture	3	SPAN& 121 (5)	Humanities/Fine Arts/ English	
Spanish Language & Culture	4	SPAN& 121 or SPAN& 122 (5)	Humanities/Fine Arts/ English	
Spanish Language & Culture	5	SPAN& 121, SPAN& 122, SPAN& 123 (10)	Humanities/Fine Arts/ English	
Spanish Literature & Culture	3	SPAN& 121 (5)	Humanities/Fine Arts/ English	
Spanish Literature & Culture	4	SPAN& 121 or SPAN& 122 (5)	Humanities/Fine Arts/ English	
Spanish Literature & Culture	5	SPAN& 121, SPAN& 122, SPAN& 123 (10)	Humanities/Fine Arts/ English	

Statistics	3-5	MATH& 146 (5)	Natural Science	Basic Skills- Quantitative/Reasoning

Additional Mathematics Note

The Mathematics Division can award Advanced Placement credits. If students are placed by the Mathematics Division at a level higher than the College Board Placement, they may receive additional credits. If students have not taken the AP Calculus test but have done college-level work in high school and are placed by the Mathematics Division into either MATH& 152 or MATH& 163, they may receive additional credits.

Note: When numbers 900 or above are assigned, it indicates there is no specific Green River course equivalent for all or part of the exam. Credit is awarded by category rather than course specific.

If a student's first mathematics course is MATH& 152, they will earn credit for MATH& 151. If a student's first mathematics course is MATH& 163, they will earn credit for both MATH& 151 and MATH& 152. Students may apply through the Mathematics Division and receive Mathematics Division Advanced Placement credits by challenging the course and paying the appropriate fees.

International Baccalaureate Credit (IB)

The International Baccalaureate Program is a rigorous pre-college course of study for highly motivated high school students. The comprehensive curriculum is designed to prepare students for a liberal arts education at the college level. It is called "international" because it is available to students in several countries, not because it is in any way an international experience. The International Baccalaureate program is similar to the College Board Advanced Placement program but differs because IB scores require a test score and a very rigorous class.

Green River has begun accepting International Baccalaureate Credit. Students are encouraged to meet with their advisor for transfer of credit information. See the list below for departments granting IB credits.

IB Department	Score	Course(s) and Credits	Counts Towards/Comments
African History	4	Elective (5)	
African History	5-7	HIST& 220 (5)	Social Science Distribution
American History	4	Elective (5)	

American History	5-7	HIST& 136 or HIST& 137 (5)	Social Science Distribution
Language A	4	Elective (5)	
Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	5-7	F/L 900 (5)	Humanities Distribution
Language B	4	Elective (5)	
Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	5-7	F/L 900 (5)	Humanities Distribution
Art/Design	4	Elective (5)	
Art/Design	5-7	ART 900 or HUMAN 900 (5)	Humanities Distribution
Biology	4	Elective (5)	
Biology	5-7	BIOL& 100 (5) or BIOL& 160 (5)	Lab or Natural Science Distribution
Business Management	4-7	Elective (5)	
Chemistry	4	Elective (5)	
Chemistry	5	CHEM& 121 or CHEM& 161 (5-6)	Lab or Natural Science Distribution
Chemistry	6-7	CHEM& 121 or CHEM& 161 and CHEM& 162 (11-12)	Lab or Natural Science Distribution

Computer Science	4-7	Elective (5)	
Design Technology	4	Elective (5)	
Design Technology	5-7	ENGR& 104 (5)	Math/Natural Science Distribution
East/Southeast Asia and Oceania History	4	Elective (5)	
East/Southeast Asia and Oceania History	5-7	HIST 900 or HUMAN 900 (5)	Social Science Distribution
Economics	4	Elective (5)	
Economics	5	ECON& 201 (5)	Social Science Distribution
Economics	6-7	ECON& 201 and ECON& 202 (10)	Social Science Distribution
English A Literature	4	Elective (5)	
English A Literature	5-7	ENGL 900 or HUMAN 900 (5)	Humanities Distribution
English A Language & Literature	4	Elective (5)	
English A Language & Literature	5-7	ENGL& 101 (5)	Basic Skills
Environmental Science	5-7	ENV S 204 (5)	Natural Science
European History	4	Elective (5)	
European History	5-7	HIST 230 (5)	Social Science Distribution
Geography	4	Elective (5)	

Geography	5-7	GEOG& 200 (5)	Social Science Distribution
Global Politics	4-7	Elective (5)	
History			See - African, American History, East/Southeast Asia, European History, and Oceania History
Information Technology in a Global Society	4-7	Elective (5)	
Mathematics	4	Elective (5)	
Mathematics	5-6	MATH& 142 (5)	Math/Science Distribution
Mathematics	7	MATH& 151 (5)	Math/Science Distribution
Mathematics - Further	4	Elective (5)	
Mathematics - Further	5-7	MATH& 151 (5)	Math/Science Distribution
Music	4	Elective (5)	
Music	5-7	MUSC& 105 (5)	Humanities Distribution
Philosophy	4	Elective (5)	
Philosophy	5-7	PHIL& 101 (5)	Humanities Distribution
Physics	4	Elective (5)	
Physics	6-7	PHYS& 114, PHYS& 115 and PHYS& 116 (15)	Lab or Natural Science Distribution
Psychology	4	Elective (5)	
Psychology	5-7	PSYC& 100 (5)	Social Science Distribution

Social & Cultural Anthropology	4	Elective (5)	
Social & Cultural Anthropology	5-7	ANTH& 206 (5)	Social Science Distribution
Sports, Exercise & Health Science	4-7	Elective (5)	
Theatre	4	Elective (5)	
Theatre	5-7	DRMA& 101 or HUMAN 900 (5)	Humanities Distribution
Visual Arts	4	Elective (5)	
Visual Arts	5-7	ART& 100 (5)	Humanities Distribution

Note: When numbers 900 or above are assigned, it indicates there is no specific Green River course equivalent for all or part of exam. Credit is awarded by category rather than course specific. The IB Exam for Engl B (ESL) is considered non-transferable to Green River.

Submitting Your IB Transcript

The easiest way to ensure Green River receives your IB transcript is to name Green River as a recipient when you sign up for your IB program exam(s). If you do not name Green River as a recipient when you take your exam, contact the IB Organization to request an official IB transcript be sent directly to the Green River Enrollment Services. When you are admitted to the college, you may be eligible for Green River course credit; if so, the courses and credits awarded will be accessible on your degree audit. You will be notified by email of credit awarded.

Student Right to Privacy (FERPA)

All student educational records are maintained according to the Family Educational Rights and Privacy Act of 1974 (FERPA). FERPA defines what is included in a student record and governs the conditions of disclosure. Students have the right to see their records and to request an amendment to those records. Students at Green River have the right to examine their educational records, and the college may not, without the student's permission, let others examine those records for other than educational purposes, per the Family Educational Rights and Privacy Act (FERPA) policy.

Directory information may include student's name, email address, photographs, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, and other similar information.

Only directory information can be released without the student's authorization. A student must sign a release in order to have any other information disclosed or to withhold all information. Education information may be released to other institutions that have requested the records and in which the student seeks or intends to enroll. Information may be released to a third party without the student's consent if an emergency situation exists or if information is requested officially by means of a subpoena, court order or legal report. Additionally, Congress requires student information to be released to military recruiters if officially requested.

More information about FERPA is available online at www.greenriver.edu/FERPA.

Name Changes

It is important a student's name is accurately reflected on their individual record. The Office of the Registrar maintains a confidential record of the student's last name, first name, middle initial and any previous names. It is the student's responsibility to notify the Office of the Registrar of any change.

To report a primary name change on their record, students must:

- Submit the request in writing by completing a [Student Information Change Form](#).
- Show documentation. A copy of a marriage certificate, divorce decree, adoption papers, court order or other legal documents must be attached to the request.

Students may designate a preferred name in ctcLink.

Change of Address

If your mailing address has changed, be sure to change your address in your ctcLink profile.

If you are on financial aid, you must also notify the Financial Aid Office from your Green River email address providing the new address information.

Student Identification Number

All students are assigned a ctcLink ID to use for all transactions at Green River College. Students who forget or lose their assigned ctcLink ID will need to bring picture ID into the Office of the Registrar to obtain their number.

Green River requests social security numbers at the time students make application to the college. As authorized under state law SB5509, the SSN will not be used as the student identification number that would appear on the class rosters and most other documents. Generally, the SSN is stored confidentially in the records and used only for necessary purposes as authorized by law. Those purposes include the following:

- Financial aid, including loan deferments from other colleges or universities.
- Hope scholarship and Lifelong Learning (tuition tax credits).
- Financial aid related to verification through National Student Clearinghouse.
- Workforce or unemployment data matching purposes.

Change of Program

Students planning to change their career/technical program or their intended major (if transferring to a college or university), must visit the Career and Advising Center to update their program of study and be assigned a new advisor, if appropriate.

Transcripts and Obtaining Grades

A transcript of each student's permanent record of grades is maintained in the Office of the Registrar. An official transcript of grades will be sent to any high school, college, university or other agency upon the student's request. Only grades and credits earned at Green River will post to a Green River transcript.

In order to comply with Family Educational Privacy Act 1974 (FERPA), student information (including grades) will not be released to third parties without prior written permission of the student.

Grade discrepancies must be addressed by the student with the issuing faculty member. If the issuing faculty member is no longer at Green River, contact the appropriate division chair or instructional dean.

Obtaining an unofficial transcript:

- Unofficial transcripts in ctcLink can be found on the Student Homepage, in the Academic Records tile.
- Unofficial transcripts in the Legacy system (attendance prior to 2016) must be requested through our [Unofficial Legacy Transcript Order Form](#).

Ordering an official transcript:

- Students can request an official copy of their transcript through Parchment at www.parchment.com. Hard copy transcripts and digital transcripts are available.
- The cost for an official transcript is \$12 per transcript request.
- Processing takes two to four business days contingent upon completion of the current quarters grading cycle.

- Students can receive their transcript immediately using the in person On-Demand form at the Office of the Registrar. The fee is \$25 per transcript.

Grading Policy

Under Green River's numerical grading system, instructors may report grades of 0.0 or between 1.0 to 4.0 in 0.1 increments, or report grading symbols (I,S,P). Only an instructor may change an assigned grade.

Letter Grade Translations

Letter grades are translated to the following decimal grades:

A	4.0-3.9	
A-	3.6	
B+	3.3	
B	3.0	
B-	2.7	
C+	2.3	
C	2.0	
C-	1.7	
D+	1.3	
D	1.0	Lowest passing grade
F	0.0	Failure or unofficial withdrawal-no credit given

Grade and Symbol Definitions

Incomplete

- I** An instructor may record a student's work as incomplete when the student has been delayed in completing the required work for a reason deemed appropriate or sufficient by the instructor.

Audit

- N** Indicates the student enrolled for information only (no credit given) and attended class regularly. "N" does not affect GPA. "N" is considered a grade but is not considered in the repeat grade policy.

No Credit

- NC** Indicates the student petitioned the Registrar for a P/NC grade (prior to the end of the eighth week of the quarter) and earned a decimal grade lower than 1.5. OR the class is graded on a pass/no credit basis.

- Pass**
- P** Indicates the student petitioned the Registrar for a P/NC grade (prior to the end of the eighth week of the quarter) and earned a decimal grade equal to or greater than 1.5. OR the class is graded on a pass/no credit basis.
- Satisfactory**
- S** Indicates student is making satisfactory progress but has not completed all the competencies for a given level of instruction. No credit is awarded.
- Official Withdrawal**
- W** Indicates the student initiated an official withdraw from class. "W" does not affect GPA.

Grading Symbols

These symbols may also be used on grade reports or transcripts:

- * Missing Grade**
No grade assignment given.
- Y Work in Progress**
The class is in progress at grading time.

Pass/No-Credit (P/NC) Grades

This petition is a contract and is not rescind-able. No more than 25 percent of the required credits may be graded "Pass" to satisfy requirements for any transfer degree. Students are urged to consult the catalog of the four-year institution to which they plan to transfer.

Procedure

To declare an intention to be graded pass/no-credit, the student must file a petition with the Registrar no later than the end of the eighth week of the quarter (fall, winter, spring) or the end of the fifth quarter (summer). For students who qualify, the Registrar will convert the decimal grade submitted by the instructor either to credit (P) or to no credit (NC).

Satisfactory (S) Grades

The "S" grade may be used only for TS/Basic and ELL classes numbered under 100. Courses with "S" grade designators cannot be applied toward any degree or certificate program. Courses with "S" grade indicate "work in progress" and do not denote course completion.

Repeat Grades

Students may repeat a course for which they have earned credit when such a repeat is necessary to satisfy a distribution requirement or improving a previously earned grade. If deemed necessary to repeat, students may only do so twice (this is defined as the original enrollment, plus two repeat attempts). Some programs of study may have more restrictive policies regarding repetition of classes. This policy applies to enrollment in credit-bearing or Adult Basic Education (ABE/TS/ELL) courses, including transferred-in courses. This policy does not apply to non-credit, continuing education courses or courses taken by audit. The highest grade earned of the original or repeated courses will be used to calculate the student's cumulative grade point average.

Procedure

The highest grade earned of the original or repeated courses will be used to calculate the student's cumulative grade point average. If the repeated courses involve a P/NC and a decimal grade, the decimal grade will be kept in the GPA calculation if it is over a 2.0. If it is 1.9 or below, the P/NC will be kept in the GPA calculation and considered the "higher" grade earned.

Incomplete (I) Grades

An instructor may record a student's work as incomplete when the student has been delayed in completing the required work. "I" grades do not affect GPA. Student has four quarters (or less, if instructor indicates) to finish the Incomplete agreement with the instructor. After four quarters, if the "I" grade still appears on the transcript it will be changed to a 0.0 by the Office of the Registrar.

Procedure

Coursework may be completed according to an agreement between the instructor and student. Any student seeking to establish an Incomplete agreement must contact the instructor for the class. At the instructor's discretion, an Incomplete Agreement may be created and will reside with the instructor of record. The instructor will assign an "I" grade during the grading period. Once the terms of the Incomplete Agreement have been met, the instructor submits a change of grade to the Office of the Registrar. In cases where the instructor is not on contract with the college, the division chair or instructional dean may submit a change of grade.

Change of Grades

Change of Grade are to be completed by the instructor of record. In cases where the instructor is not available, the division chair or instructional dean may submit a change of grade. Grade changes are not valid for withdraw ("W"), pass/no-credit (P/NC), or audit ("N"). To ensure academic record integrity, Change of Grade requests will only be

accepted from faculty, staff and administrators. Change of Grade requests will not be accepted from a student.

Grade Forgiveness

Grade Forgiveness is designed to give returning students a fresh start from their unsuccessful transcript record after an extended absence from Green River.

The requirements for Grade Forgiveness are:

- The student has had at least a two-year absence from Green River and grades to be excluded must have been taken prior to the two-year absence.
- After returning to Green River, the student must demonstrate improvement by completing a minimum of 24 credits with a cumulative GPA of 2.0.
- The student cannot select specific courses or quarters for exclusion. Once the first quarter of Grade Forgiveness has been selected, all quarters between that quarter and the first returning successful quarter (after the two-year absence from Green River) will be coded with the Grade Forgiveness comment on the transcript.
- Once Grade Forgiveness is processed, credits for excluded courses will be changed to zero (0) and will not be included in the Green River credit total or GPA. The student's transcript will continue to show previous courses taken and grades received. A comment will be placed on the transcript indicating that Grade Forgiveness has been approved for the student.
- Credits excluded may not be reinstated, may not be used as prerequisites, and may not apply toward degree requirements.
- Grade Forgiveness may not be used to qualify for an honors designation.
- Students must see the Office of the Registrar for Grade Forgiveness. The Registrar will make appeal decisions.
- Only one Grade Forgiveness petition is permitted on the student's transcript.

Graduation Information

Graduation Information

Office of the Registrar
(253) 288-3383

When students are two quarters away from completing their educational program, they should submit an [Intent to Graduate](#) form to the Office of the Registrar.

The Intent to Graduate form and detailed instructions are available at the Office of the Registrar or on the [Office of the Registrar webpage](#). Students may also run an Academic Advisement Report in ctcLink to track progress. To be eligible for graduation, students must have accomplished the following:

- Completed all admissions requirements
- Earned a minimum grade point average of 2.0
- Completed 24 credits at Green River (doesn't pertain to high school diploma or career/technical certificate candidates)
- Completed all degree requirements as specified by the Green River catalog

Students may graduate using the degree requirements in effect during their first quarter of enrollment at Green River College for up to six years. After six years, students must meet the requirements listed in the current catalog. Students may petition the Degree Exception Committee with proof of continuous enrollment to be exempt from this requirement.

Students may complete program requirements at the end of any quarter.

Diplomas

Physical diplomas are mailed to the address provided on the Intent to Graduate form, once degree completion is notated on the official transcript. Duplicate copies are available for \$20.00.

Digital diplomas are sent, via email from Parchment, LLC to graduates after their physical diploma is mailed.

Commencement

One commencement ceremony is held at the end of the academic year. Any student who has been approved for graduation during the academic year is eligible to participate in the June ceremony. Students who plan to complete their requirements during the following summer quarter may apply for graduation and participate in the ceremony. Participation in the commencement ceremony does not constitute

graduation or completion of a program of study; graduation occurs only after a student meets all criteria. All diplomas will be mailed to students three to four weeks after grades are posted in the quarter in which they have completed their program.

For more information on Green River's commencement ceremony, please visit www.greenriver.edu/commencement.

Degree Exception

Every student enrolled in a degree or certificate program at the college must meet the essential requirements of that program of study, as defined by the College catalog. A granted Degree Exception does not eliminate the required credit amount; it only substitutes a particular requirement. Exceptions to program of study requirements may be considered as long as the program of study's academic integrity is maintained as voted on by the Degree Exception Committee. Course substitutions will be approved only when such substitutions are consistent with the essential requirements of the program of study. Course substitutions cannot be made for Direct Transfer Agreement degree requirements. Decisions made by the Degree Exception Committee are final.

The Degree Exception Committee meets twice during each of the fall, winter and spring quarters.

Graduation Awards

Academic Honors

Degree-level academic honors are bestowed as recognition of outstanding academic achievement at the completion of a two-year or four-year degree. Academic honors are determined based on the cumulative grade point average of all courses completed at Green River. A minimum of 24 credits must be graded (not pass/non-credit).

Graduates who achieve outstanding grade point averages are eligible to purchase honor regalia to wear at commencement and are recognized in the commencement program. All levels of honors will be noted on the diploma and Green River transcript.

Associate Degree Honor Status:

Highest Honors	3.9 - 4.0 GPA
High Honors	3.7 - 3.89 GPA
Honors	3.5 - 3.69 GPA

Bachelor Degree Honor Status:

Summa Cum Laude 3.9 - 4.0 GPA

Magna Cum Laude 3.7 - 3.89 GPA

Cum Laude 3.5 - 3.69 GPA

Dean's List

Quarterly academic honors are bestowed as recognition of outstanding academic achievement at the completion of each quarter. The official Green River College record that a student has qualified for the Dean's List is the notation on the student's Green River College transcript. Dean's List designations became available beginning in spring quarter 2020, and subsequent terms.

In order to qualify, a student must:

- Be enrolled in a credential-seeking program (e.g., certificate, 2-year or 4-year degree);
- Earn at least twelve (12) credits of graded course work, and
- Earn a quarterly GPA of 3.50 or higher.

Students who qualify for the list will receive a congratulatory letter from the Dean of Student Affairs and a notation will be made on the student's transcript.

Division Awards

Presented to a student who has exhibited exemplary academic contributions and success in an instructional division's program.

Bachelor of Applied Science Program Awards

Presented to students who have exhibited exemplary academic contributions and success in a Bachelor of Applied Science program.

International Student Award

Presented to a student who has achieved academic excellence, demonstrated leadership qualities and made an outstanding contribution to the on-campus international environment.

Running Start Award

Presented to a Running Start student who has demonstrated outstanding academic achievement and involvement with their community, while graduating with an Associate degree from Green River College.

Open Doors Award

Presented to an Open Doors student who has demonstrated outstanding perseverance and leadership while achieving their academic goal at Green River College.

President's Award

Presented to a student who has exhibited academic success through outstanding citizenship, remarkable personal qualities and high academic achievement.

Core Value Awards

Anti-Racism, Diversity, Equity and Inclusion

Belonging

Accessibility

Accountability

Community Engagement

Growth and Development

Global Responsibility

Acknowledgement and Stewardship of the Natural Environment

University Transfer

University Transfer

Green River College is fully accredited by the Northwest Commission on Colleges and Universities (NWCCU), as well as by several discipline related bodies. The college has completed numerous evaluation processes and has been recognized for performance, integrity and quality. This is important for students who plan to transfer credits to other colleges. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policy and transferability should never be assumed. The Green River Career and Advising Center staff can assist you with your transfer questions. The Transfer Resource Center features a library of catalogs from universities, transfer guides, and information about transfer policies and transfer requirements. This information can also be found online through the Transfer Center website at www.greenriver.edu/student-affairs/college-transfer-center.htm.

Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer. Students should also consult that catalog and website when meeting with their Green River advisor.

Many transfer institutions expect students to be "major ready" by the time they transfer. This means that students need to declare their majors earlier and carefully plan which courses will meet their distribution requirements, as well as meet the admission requirements for a particular field of study. For example, students who wish to major in business will need to include additional math, economics and accounting sequences in their coursework. Students are strongly encouraged to meet with their community college advisor, as well as an advisor from their transfer institution to verify their choices.

Articulation Agreements

Green River is a member of the Inter-College Relations Commission (ICRC), and Green River's Associate in Arts Degree, AA-DTA, Associate in Business, AB-DTA/MRP, Associate in Math Education, AM-DTA/MRP, Associate in Pre-Nursing, APreN-DTA/MRP, Associate in Computer Science, ACS-DTA/MRP and Associate in Science-Transfer-AS-T degrees comply with ICRC recommendations for transfer degrees within Washington. ICRC has developed a direct transfer agreement (DTA) with Washington community colleges. This ensures that students who complete a designated direct transfer degree at a community college will have satisfied all or most of the general education (or core) requirements at the various universities in the state. For most transfer students, this means that they can begin work on their specialized, major-area course work as soon as they transfer. International students must contact an advisor in

the International Programs office to help create an educational plan specific to their needs. During the school year, representatives from various colleges and universities visit the campus to meet with students about transfer requirements. Students should watch for notices in campus publications, on Green River's website, or call the Career and Advising Center at ext. 2641.

Associate in Arts Direct Transfer Agreement (AA-DTA)

Effective January 2014

The Associate in Arts is a Direct Transfer Agreement (DTA) degree designed for students who plan to transfer to a university after completing the first two years of study at Green River. The degree is recommended for students who have not yet decided the field they will enter or the university they will attend. It gives students the broad background they need before beginning more specialized, upper division courses and indicates that a student has completed a two-year liberal arts program.

Once admitted to an institution subscribing to these guidelines, the degree holder will be granted junior status and will have fulfilled most of the lower division general education requirements of baccalaureate degree programs offered by many public and independent colleges and universities in Washington State.

Full details of the agreement can be found here: www.wsac.wa.gov/transfers#direct-transfer-agreement-associate-degree

The following colleges subscribe to these guidelines and provide the following advising notes:

Bastyr University

Although a student transferring to Bastyr University who has earned a Washington State DTA Associate degree will enter Bastyr having satisfied all General Education requirements, Basic Proficiency and Science Requirements are reviewed for transfer on a case by case basis.

Central Washington University

City University

Students who enter City University of Seattle as candidates for associate or bachelor's degrees may already have completed courses at other educational institutions, as documented by official transcripts. For any course to be transferred into an undergraduate program, a student must have achieved a cumulative college level grade point average (GPA) of 2.0 (C) or higher at each prior institution. Students who meet the minimum cumulative GPA of 2.0 (C) may have courses transferred with a minimum course grade of 1.0 (D) or higher, with the following exceptions:

Bachelor of Arts Education programs have specific transfer requirements to meet Washington standards. Students must earn a per course grade of 2.0 (C) or higher to be considered for transfer.

To meet the College Composition (ENG 102) general education requirement, students must earn a 2.0 (C) or higher.

Additionally, undergraduate students seeking to transfer credits with a college level cumulative GPA below 2.0 (C) at each institution will have transfer eligibility evaluated on a course-by-course basis. Courses with a grade of 2.0 (C) or higher will be eligible for transfer.

Please note, many CityU of Seattle bachelor's degrees have specified required Quantitative/Symbolic Reasoning courses designated for program completion. Students should contact CityU of Seattle admissions for additional program-specific information.

Grade: All grade point average decimal references above are based on a 4-point scale with 4 being the highest grade attainable. Restrictions on total transfer credits allowed must follow residency policy restrictions.

Cornish College of the Arts

A student transferring to Cornish College of the Arts who has earned a DTA Associate degree will transfer sufficient credits to complete the Humanities and Sciences requirements for the BFA or BMus degree.

Transfer credit for major and college elective courses will be evaluated on a course-by-course basis. Courses are subject to the transfer guidelines established by Cornish College of the Arts and may be approved for transfer after the student completes a portfolio review or audition.

Eastern Washington University

Gonzaga University

Students with an earned DTA Associate degree have fulfilled many of the requirements of the University Core Curriculum, as well as additional requirements for the College of Arts & Sciences. University Core requirements to be completed upon transfer include: First-Year Seminar, Christianity & Catholic Traditions, and Core Integration Seminar. Students will also take a major-appropriate college mathematics course, Reasoning, Human Nature, and Ethics, unless they have already fulfilled these requirements. Communication & Speech is recommended, but not required, for students who have not completed a course in speaking skills.

Heritage University

Northwest Indian College

Northwest University

Northwest University accepts the DTA Associate degree from public community and

technical colleges in Washington State. Students earning these degrees are granted an automatic 60 semester credits and junior class standing. For most degrees, the Core Curriculum Requirements, with the exception of the Biblical Literacy and Formation and Calling requirements, are satisfied. Majors with program-specific Core Curriculum requirements do not have all General Education Requirements automatically satisfied by the DTA Associate degree. Students must complete these specific courses either as part of the DTA Associate degree or at Northwest University. These program specific courses may also require higher than the C- minimum standard for transfer.

Pacific Lutheran University

Students who have completed the appropriate DTA Associate degree from any community college in Washington will be admitted with junior standing (60-64 semester hours) and will be regarded as having satisfied General University Requirements, except for one Religion course (Biblical Studies or Christian Thought, History, and Experience) and one Perspectives on Diversity course. PLU's College of Arts and Sciences requirement is not fulfilled by the DTA Associate degree.

Saint Martin's University

Saint Martin's University recognizes the DTA Associate degree from Washington's community and technical Colleges. Students completing the DTA Associate degree with a minimum GPA of 2.0 will be granted junior standing upon transfer. These students will have met the Saint Martin's general education requirements with the exception of a course each in philosophy (transferable) and religious studies (generally completed at Saint Martin's University).

Seattle Pacific University

Upon first matriculation at SPU, students who enter with a completed DTA Associate degree will fulfill all University general education requirements except 10 upper-division credits in University Foundations.

Seattle University

Students admitted to Seattle University for the first time with a completed DTA Associate degree will be granted 90 credits and junior standing. The following provisions apply: 1) Courses used to satisfy the DTA Associate degree communication skills, quantitative/symbolic reasoning skills as well as the lab science requirement must be graded C- (1.5) or higher; 2) Additional philosophy and religious studies courses will be required to satisfy lower division Core at SU; 3) Specific requirements of professional degree programs and upper division Core must be satisfied.

The Evergreen State College

University of Washington Bothell

The University of Washington Bothell transfers credit on a course-by-course basis. Transfer students from Washington community and technical colleges who complete approved DTA Associate degrees, will be considered to have satisfied all or most of our general education requirements with the following provisos:

Intermediate Algebra and World Languages are the core minimum admission requirements required for transfer applicants with 40+ college credits. These can be met through high school or college coursework. If not satisfied in high school, students should be sure to include any missing core admission requirements in their education plan for the DTA Associate degree.

5 credits of English composition should be completed with a minimum grade of 2.0
10 additional writing credits (Composition or W-courses) must be completed at the University, if not completed as part of the transfer degree.

QSR courses will transfer according to the following course equivalency tables:

www.uwb.edu/admissions/apply/transfer/transfer-credit-policies

All students must complete 3 quarter credits of coursework to satisfy the university diversity requirement. Upper division coursework may be used to satisfy this requirement.

University of Washington Seattle

The University of Washington awards transfer credit on a course-by-course basis. Students transferring directly from a Washington community college with a DTA Associate degree will have satisfied most of the UW's university-wide general education requirements with the following exceptions:

In addition to the English composition requirement, all students must complete a minimum of 7 quarter credits of writing-intensive coursework. Upper division course work may be used to satisfy this requirement. See

www.washington.edu/uaa/advising/academicplanning/general-education-requirements/additional-writing/

All students must complete 3 quarter credits of coursework to satisfy the university diversity requirement. Upper division course work may be used to satisfy this requirement. See www.washington.edu/uaa/advising/academic-planning/general-educationrequirements/diversity/

Each of the University's schools and colleges has graduation requirements that meet or exceed university-wide general education requirements. Students entering the UW with a DTA Associate degree are not required to complete the additional graduation requirements prior to enrolling at the UW. Any unmet requirements may be satisfied at the upper division level upon enrolling at the UW. See www.washington.edu/uaa/advising/academic-planning/generaleducation-requirements/requirements-by-college-and-school/

NOTE: Admission to the UW is competitive. Prospective students should be advised that all freshmen and transfer students must meet a set of minimum admission subject requirements which include qualifying high school or college coursework in a world language and in mathematics. For complete information about admission subject requirements, go to www.admit.washington.edu/apply/transfer/policies/cadr

University of Washington Tacoma

The University of Washington Tacoma transfers credit on a course-by-course basis. Transfer students from Washington community and technical colleges who complete

approved DTA Associate degrees, will be considered to have satisfied all or most of UW Tacoma's general education requirements with the following provisos:

Prospective students should be advised that all freshmen and transfer students must meet a set of minimum admission subject requirements which include qualifying high school or college coursework in a world language and intermediate algebra. If not satisfied in high school, students should be sure to include any missing core admission requirements in their education plan for the DTA Associate degree. See www.tacoma.uw.edu/admissions/transferadmission-requirements

5 credits of English composition should be completed with a minimum grade of 2.0. Additionally, students must complete a minimum of 10 quarter credits of writing-intensive coursework at the University, if not completed as part of the transfer degree, for a total of 15 credits. Upper division course work may be used to satisfy this requirement. See www.tacoma.uw.edu/catalog-two/graduation-requirements-baccalaureate-degree-0

All students must complete 3 quarter credits of coursework to satisfy the university diversity requirement. Upper division course work may be used to satisfy this requirement. See www.tacoma.uw.edu/catalog-two/graduation-requirements-baccalaureate-degree-0

Each of the University's schools and colleges has graduation requirements that meet or exceed university-wide general education requirements. Students entering the UW Tacoma with a DTA Associate degree are not required to complete the additional graduation requirements prior to enrolling at the UW. Any unmet requirements may be satisfied at the upper division level upon enrolling at the UW Tacoma. See www.tacoma.uw.edu/catalog-two/graduation-requirements-baccalaureate-degree-0

Walla Walla University

Washington State University (all campuses)

Western Governors University - Washington

Western Washington University

Satisfying Western's General University Requirements (GUR) in full requires completing English Composition with a grade of C- or better or earning an Advanced Placement (AP) score of 4 or higher on either English Language & Composition or English Literature & Composition.

Whitworth University

Whitworth University grants junior standing to holders of the DTA Associate degree. In addition, transfer students are required to complete the one-course Biblical literature.

Requirements: one year of study in the same modern language at the college level, and one of the three interdisciplinary Western Civilization Core courses (Core 150, Core 250, Core 350).

Effective Fall term 2012 we will accept in transfer only courses that have a grade of "C" or higher. We do plan to make exception to that policy and continue to accept grades of "C-" or higher for all Washington Community College courses through Fall term 2013.

Major Related Programs

Major Related Programs (MRP) help students prepare to transfer into high demand bachelor's degree programs that require specific courses in the first two years. Business, computer science, and nursing are a few examples. Each MRP is based one of the statewide transfer agreements: Direct Transfer Agreement (DTA) or the Associate in Science-Transfer (AS-T) and can reduce the time it takes to complete a specific bachelor degree pathway.

Institutions that accept the DTA Associate degree also accept any Major Related Program (MRP) course plan based on the DTA Associate degree. If the institution did not sign the MRP agreement, it means they will accept the DTA/MRP as they would the basic DTA Associate degree.

Associate in Biology DTA/MRP

Effective July 1, 2024

This Associate in Biology, DTA/MRP is applicable to students planning to prepare for upper division Bachelor's degree majors in Biology.

Full details of the agreement can be found here: www.wsac.wa.gov/transfers#biology-dta-mrp

Institutions party to this agreement are:

Public Baccalaureates:

Central Washington University
Eastern Washington University
The Evergreen State College
University of Washington (all campuses)
Washington State University (all campuses)
Western Washington University

Private Baccalaureates:

Heritage University
Saint Martin's University
Seattle Pacific University
Seattle University
Whitworth University

Associate in Business DTA/MRP

Effective July 1, 2017

The Associate in Business Direct Transfer Agreement/Major Related Program degree is generally pursued by students who plan to transfer to a four-year university as a business or accounting major after completing their first two years at Green River. It is designed to meet the distribution requirements at universities in Washington State by fulfilling the general requirements taken by freshman and sophomores. The degree also indicates that a student has completed a two-year business program, which may be of value in career or lifetime goals.

Full details of the agreement can be found here: www.wsac.wa.gov/transfers#business-dta-mrp-

Institutions party to this agreement are:

Public Baccalaureates:

Central Washington University
Eastern Washington University
The Evergreen State College
University of Washington (all campuses)
Washington State University (all campuses)
Western Washington University

Private Baccalaureates:

Gonzaga University
Heritage University
Pacific Lutheran University
Saint Martin's University
Seattle Pacific University
Seattle University
Walla Walla University
Whitworth University

Associate in Math Education-DTA/MRP

Effective July 1, 2003, Updated July 2017

The Associate in Math Education Direct Transfer Agreement/Major Related Program degree was created to aid students interested in careers as secondary math teachers. Future secondary teachers must pursue a major in their field, as well as entrance into a school of education. As a result, there is little room for electives.

This degree is intended to ensure that graduates of Green River are as well prepared as their counterparts at four-year colleges. The transferability of these degrees is backed by a statewide articulation agreement with teacher-training universities. In addition, this degree is accepted by baccalaureate institutions in the state of Washington under the Direct Transfer Agreement. It will fulfill the general education requirements at Washington state transfer institutions.

Full details of the agreement can be found here: www.wsac.wa.gov/transfers#math-education-dta-mrp-

Institutions party to this agreement are:

Public Baccalaureates:

Central Washington University
Eastern Washington University
Western Washington University
Washington State University

Associate in Pre-Nursing DTA/MRP

Effective July 2020

The Associate in Pre-Nursing Direct Transfer Agreement/Major Related Program degree is generally pursued by students who plan to transfer to a four-year college or university at the junior level to a Bachelor of Science in Nursing Program (BSN). This degree is designed to meet the distribution requirements at universities in Washington State, by fulfilling the general requirements taken by freshmen and sophomores.

Full details of the agreement can be found here: www.wsac.wa.gov/transfers#pre-nursing-dta-mrp-

Institutions party to this agreement are:

Public Baccalaureates:

Eastern Washington University
University of Washington - Seattle
Washington State University

Private Baccalaureates:

Pacific Lutheran University
Saint Martin's University
Seattle Pacific University
Seattle University
Walla Walla University

Associate in Computer Science DTA/MRP

Effective September 1, 2016

This Associate in Computer Science Direct Transfer Agreement/Major Related Program degree is designed to provide a pathway for students preparing for computer science and related majors at universities and colleges in the state of Washington. Computer science programs are competitive and this pathway intends to provide students with the needed information and skills to optimize their coursework to meet the Direct Transfer Agreement and prepare for computer science and related majors at a participating baccalaureate institutions. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

Full details on the agreement can be found here: www.wsac.wa.gov/transfers#computer-science-dta-mrp

Institutions party to this agreement are:

Public Baccalaureates:

Central Washington University
Eastern Washington University
The Evergreen State College
University of Washington (all campuses)
Washington State University
Western Washington University

Private Baccalaureates:

Gonzaga University
Heritage University
Pacific Lutheran University
Seattle Pacific University
Seattle University
Whitworth University

Associate of Science Transfer Degree Track 1: Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, and Earth Science

Effective Fall 2000, Updated Spring 2017

The Associate of Science Transfer (AS-T) Degree Track 1 is designed to prepare students for upper division study in the areas of biological sciences, environmental/resource sciences, chemistry, geology, and earth science. Completing the AS-T Track 1 degree will prepare students for upper division study; it does not guarantee students admission to the major.

Full details on the agreement can be found here:

www.wsac.wa.gov/sites/default/files/AST1Agreement2017.pdf

Institutions party to this agreement are:

Public Baccalaureates:

Central Washington University
Eastern Washington University
The Evergreen State College
University of Washington
Washington State University
Western Washington University

Private Baccalaureates:

Heritage University
Pacific Lutheran University
Saint Martin's University
Seattle Pacific University
Seattle University
Walla Walla University
Whitworth University

Associate of Science Transfer Degree Track 2: Engineering, Computer Science, Physics, and Atmospheric Sciences

Effective Fall 2000, Updated Spring 2017

The Associate of Science Transfer (AS-T) Degree Track 2 is designed to prepare students for upper division study in the areas of engineering, computer science, physics, and atmospheric science. Completing the AS-T Track 2 degree will prepare students for upper division study; it does not guarantee students admission to the major.

Full details on the agreement can be found here:

www.wsac.wa.gov/sites/default/files/AST2Agreement2017.pdf

Institutions party to this agreement are:

Public Baccalaureates:

Central Washington University
Eastern Washington University

The Evergreen State College
University of Washington
Washington State University
Western Washington University

Private Baccalaureates:

Gonzaga University
Heritage University
Saint Martin's University
Seattle Pacific University
Seattle University
Walla Walla University

Engineering AS-T Track 2 MRP

Effective September 1, 2020

The Associate in Science Transfer-Track 2/Major Related Program in Engineering degrees (Bioengineering and Chemical Engineering, Computer and Electrical Engineering & Civil and Mechanical Engineering) encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

Full details on the agreement can be found here:

www.wsac.wa.gov/transfers#engineering-as-t-2-mrp-

Institutions party to this agreement are:

Public Baccalaureates:

Eastern Washington University
University of Washington - Seattle
Washington State University
Western Washington University

Private Baccalaureates:

Gonzaga University
Saint Martin's University
Seattle Pacific University

Distribution Lists

Most transfer degrees consist of courses from four distribution course lists, located after the Course Description section of this catalog.

Humanities/Fine Arts/English
Social Science
Natural Science
Diversity Requirement

Transfer Rights and Responsibilities

Student Rights and Responsibilities

Students have the right to clear, accurate, and current information about their transfer admission requirements, transfer admission deadlines, degree requirements, and transfer policies that include course equivalencies.

Transfer and freshman-entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.

Students have the right to seek clarification regarding their transfer evaluation and may request the reconsideration of any aspect of that evaluation. In response, the college will follow established practices and processes for reviewing its transfer credit decisions.

Students who encounter other transfer difficulties have the right to seek resolution. Each institution will have a defined process for resolution that is published and readily available to students.

Students have the responsibility to complete all materials required for admission and to submit the application on or before the published deadlines. Students have the responsibility to plan their courses of study by referring to the specific published degree requirements of the college or academic program in which they intend to earn a bachelor's degree.

When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.

College and University Rights and Responsibilities

Colleges and universities have the right and authority to determine program requirements and course offerings in accordance with their institutional missions.

Colleges and universities have the responsibility to communicate and publish their requirements and course offerings to students and the public, including information about student transfer rights and responsibilities.

Colleges and universities have the responsibility to communicate their admission and transfer related decisions to students in writing (electronic or paper).

Washington 45 - List of One Year Transfer Courses

The list of courses in Washington 45 does not replace the Direct Transfer Agreement, Associate of Science Tracks 1 and 2 or any Major Related Program agreement, nor will it guarantee admission to a four-year institution.

A student who completes courses selected from within the general education categories listed below at a public community, technical, four-year college or university in Washington State will be able to transfer and apply a maximum of 45 quarter credits toward general education requirement(s) at any other public and most private higher education institutions in the state.¹

For transfer purposes, a student must have a **minimum grade of C or better (2.0 or above) in each course** completed from this list.

Students who transfer Washington 45 courses must still meet a receiving institution's admission requirements and eventually satisfy all their general education requirements and their degree requirements in major, minor and professional programs.

"First Year Transfer List" of general education courses

Communications (5 credits)-ENGL& 101, ENGL& 102

Quantitative and Symbolic Reasoning (5 credits)-MATH& 107, MATH& 141, MATH& 142, MATH& 146, MATH& 148 or MATH& 151

Humanities (10 credits in two different subject areas or disciplines²)-PHIL& 101, MUSC& 105, DRMA& 101, ART& 100, CMST& 220, CHIN& 123, FRCH& 123, GERM& 123, SPAN& 123, ENGL& 111, or HUM& 101 For colleges that use History as a Humanities HIST& 126, HIST& 127, HIST& 128, HIST& 146, HIST& 147, HIST& 148)

Social Science (10 credits in two different subject areas or disciplines)-PSYC& 100, SOC& 101, POLS& 101, POLS& 202, ECON& 201, ECON& 202, ANTH& 100. For colleges that use History as a Social Science: HIST& 126, HIST& 127, HIST& 128, HIST& 146, HIST& 147, HIST& 148

Natural Sciences (10 credits in two different subject areas or disciplines)-BIOL& 100, BIOL& 160 w/ lab, BIOL& 211-213*, BIOL& 2221-223*, ASTR& 100, ASTR& 101 with lab, CHEM& 105, CHEM& 110 with lab, CHEM& 121 with lab, CHEM& 161-163*, ENVS& 100, ENVS& 101, PHYS& 100, PHYS& 110, PHYS& 114 -116*, GEOL& 101 with lab.

Additional 5 credits in a different discipline can be taken from any category

*Denotes courses in a three-quarter sequence that are recommended to be taken together at the same college.

NOTES:

Although these courses are listed under categories, the actual course may satisfy a different general education category at a receiving institution.

Green River does not offer all of these courses, and it is recommended that students work with an advisor to determine which courses can be incorporated into their Green River educational plan

¹ Many private non-profit colleges and universities have distinct general education requirements. Students should check with institution(s) they plan to attend regarding application of transfer credits that will meet general education requirements.

² Disciplines are sometimes called subject or subject-matter areas and designated by a prefix (i.e. PHIL for Philosophy and POLS for Political Science).

Professional and Technical

There are 113 different job-training programs at Green River, each designed to prepare students for immediate employment.

Professional/technical programs are offered in business and office occupations, health sciences, the trades and technical fields. In each program, there is hands-on training using current technology. Expert instructors provide individual attention in classrooms, labs and workshops. Each program is guided by an industry advisory committee to ensure that training meets the needs of local business and industry. Training programs range in length from one quarter (11 weeks) to two years or more. In some programs, classes are designed to provide up-to-date information to people already working in industry who need to learn new technology.

Bachelors in Applied Science (BAS)

The Bachelor in Applied Science degree (BAS) is built on associate degrees and provides workplace skills in specific career areas. Compared to traditional four-year degrees at universities, applied bachelor's degrees incorporate more hands-on learning focused on a particular industry. It creates continued education for graduates of professional and technical associate degree programs by providing advanced technical course and/or management courses along with additional general education course work.

Green River College offers Bachelors in Applied Science degree in Aeronautical Science, Applied Management, Bachelor of Science in Nursing, Early Childhood Education, Forest Resource Management, Information Technology-Cybersecurity and Networking, Information Technology-Software Development, Marketing and Entrepreneurship, and Realtime Reporting: Court Reporting & Captioning. The general education courses will include courses earned at either/both the associate degree and/or applied bachelor's degree level, based on the total required 180 quarter hours of credits.

Degree requirements include:

Sixty credits of 300-400 level courses in the technical field as specified by the industry advisory committee.

Sixty credits of general education courses as follows:

10 credits Communication Skills - ENGL& 101 and additional composition course

5 credits Quantitative Skills/Symbolic Reasoning in computer science, statistics, or mathematics

10 credits in Humanities

10 credits in Social Science

10 credits in Natural Science with at least 5 credits in physical, biological and/or earth sciences and at least one lab course

15 credits of additional general education courses to be selected from the humanities, social science, and/or natural science.

Earning a minimum of 180 credits with a minimum GPA of 2.0.

Completing the minimum of 24 credits at Green River College.

Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

The curriculum for each Bachelor in Applied Science (BAS) degree is determined by the faculty of Green River College in conjunction with each discipline advisory committee from business and industry. The college advises students to consult the listing of the program of their choice for specific courses required.

Admissions Policy

Students who have earned a baccalaureate degree from an institution accredited by one of the following agencies:

Higher Learning Commission

Middle States Commission on Higher Education

Northwest Commission on Colleges and Universities

New England Association of Schools and Colleges

Southern Association of Colleges and Schools

North Central Association of Colleges and Schools

Western Association of Schools and Colleges

will have met the general education requirements (basic and distribution areas) for an applied baccalaureate degree from a Washington state community or technical college. Students must still complete program-specific general education degree requirements if not otherwise satisfied.

This is effective for all students enrolled as of July 1, 2021.

Associate in Applied Science-Transfer Degree (AAS-T)

The Associate in Applied Science-Transfer degree (AAS-T) is built upon the technical courses required for job preparation but also includes a college-level general education

component, common in structure for all such degrees. Further, the general education courses for the degree are drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree. The AAS-T degree generally will not be accepted in transfer in preparation for Bachelor of Arts or Bachelor of Science degrees although the general education component of the degree will be accepted in transfer. The following guidelines provide specific information about how this degree may be developed:

Degree requirements include:

Seventy credits in the technical field as specified by the industry advisory committee

Twenty credits of general education courses as follows:

5 credits communication - ENGL& 101

5 credits quantitative reasoning - College-level math with Intermediate Algebra, MATH 97, as a prerequisite.

10 credits in Social Science, Humanities, or Science - to be selected from the list of courses "generally accepted".

Earning a minimum of 90 credits with a minimum GPA of 2.0.

Completing the minimum of 24 credits, including the last quarter of residence at Green River College.

Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

The curriculum for each Associate in Applied Science-Transfer degree (AAS-T) is determined by the faculty of Green River College in conjunction with each discipline advisory committee from business and industry. The college advises students to consult the listing of the program of their choice for specific courses required.

Associate in Applied Arts Degree (AAA) and Associate in Applied Science Degree (AAS)

The Associate in Applied Arts and the Associate in Applied Science degrees are designed for students in professional/technical programs. The only difference between these degrees is the field of study. Applied Arts degrees are generally awarded for business and business-related fields; Applied Science degrees are granted in health science, technical and trade subjects. These professional/technical degrees are designed for students who want to prepare for employment. In some cases, credits earned may be applied to study at a four-year college or university.

Professional/Technical Degree requirements include:

Earning a minimum of 90 credits with a minimum GPA of 2.0.

Completing a minimum of 24 credits at Green River.

Earning no more than 25 percent of the credit requirements on a pass/ no credit basis.

The curriculum for each professional/technical program is determined by the faculty of Green River College and in some cases an advisory committee from business and industry. Consult the listing of the program of your choice for specific classes required.

Professional/Technical Certificate (Cert)

Professional/technical certificates are awarded in some programs. Professional/technical certificates are designed for students who want to prepare for immediate employment. The certificate includes specific courses in your area of study, as well as related instruction courses that are intended to enhance your learning. In some cases, the credits you earn for these certificates may be applied to an Associate in Applied Arts Degree, Associate in Applied Science Degree, or to study at a four-year college or university.

Professional/Technical Certificate requirements include:

Earning a minimum of 45 credits with a minimum GPA of 2.0.

Completing a minimum of 12 credits at Green River.

Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

The curriculum for each professional/technical program is determined by the faculty of Green River College and in some cases an advisory committee from business and industry. Specific requirements are listed in "Programs of Study." Students should consult the program listings for specific classes required.

Short Term Certificates

Short Term Certificates are awarded in some professional/technical programs. The curriculum for each professional/technical program is determined by the faculty of Green River College, and in some cases an advisory committee from business and industry. Short Term Certificates coursework is 44 or less credits and generally do not include "related instruction" courses. See "Programs of Study" for availability and specific requirements for Certificates, which usually do not include classes outside the major subject.

Short Term Certificate requirements include:

Earn a minimum GPA of 2.0.

Complete a minimum of 25 percent of the credits required at Green River.

Earning no more than 25 percent of the credit requirements on a pass/ no credit basis.

Related Instruction Requirements

Associate in Applied Arts Degree (AAA) and Associate in Applied Science Degree (AAS)

The Associate in Applied Arts (AAA) and Associate in Applied Science Degree (AAS) at Green River have specific related instruction requirements. These requirements include instruction in communication, computation, and human relations. These related instructions requirements will be met either through embedded instruction or by separate stand-alone classes that will be identified under the degree in the catalog.

Certificates

Related instruction requirements are included in all certificates that are one year in length or longer (45 credits or more).

Other Learning Options

High School Equivalency Test Certificate (HSE)

Green River offers high school equivalency test preparation classes to assist the student in preparing for the tests. Classes are available for students who are 16 years of age or older. Students under the age of 19 must have the appropriate signed release from their high school to enroll in high school equivalency test preparation classes and to take high school equivalency test. Additional information is available online at the Green River website, in the course description portion of this catalog, and in the quarterly class schedule.

The high school equivalency test credential is recognized by most employers and colleges. Ninety five percent of U.S. colleges and universities recognize the high school equivalency test credential. More than half of high school equivalency credential test-takers intend to go to college or postsecondary training. Green River is a test site for the high school equivalency test. Please contact the Assessment and Testing Center at ext. 2650 to ask about high school equivalency testing days, times and fees.

High School Diploma (HSD)

Green River College's High School Completion Program is an alternative way to earn a high school diploma. Although originally designed for adult students 19 years and older, students 16-18 may participate. Successful students meet Washington State and Green River College requirements for graduation and are issued an official State of Washington high school diploma. Students must complete a minimum of one credit at Green River in order to earn a high school diploma from Green River.

Washington State Graduation requirements differ depending on the student's age and academic history. As a result, **every student's situation is unique. This makes it essential that all students meet with an advisor/educational planner/case manager to review which classes are necessary to complete their diploma.**

GRC HS Diploma Pathways

Green River College offers a comprehensive array of programs for earning a high school diploma. Students may qualify for one or more pathways for earning a high school diploma. These options include:

Traditional High School Completion (HSC) Option - Students 16 and over may earn a diploma by earning credits for a high school diploma through the high school completion program. Students may be eligible for reduced tuition.

Youth Re-engagement Program Option - Domestic students aged 16 to 21 may earn a diploma at Green River through a partnership with the Kent School District, Open Doors Program.

International students - Students studying here on F-1 Visas earn their high school diploma by working with advising in International Programs.

HS21+ is a competency-based high school diploma program for students who will be 21 or older when they complete the program. It is designed for adults who have gained knowledge, skills, and abilities from basic skills courses, life, and work experience.

Associate Degree Option - students aged 21 or older, upon earning their AA-DTA Degree will be granted a HS diploma upon request.

Students will need to pay careful attention to the requirements for their particular diploma program and **consult their advisor to ensure they are taking the correct classes to complete their degree.**

In order for Green River College to issue a diploma all OSPI requirements must be met.

GRC HS Diploma Requirements

Completing a minimum number of credits in core content areas (See the High School Diploma, HSD to see which Green River classes meet the high school course requirements).

Complete a High School and Beyond Plan

Pass state tests or approved alternatives to those tests. These tests include the Smarter Balanced, WCAS or WA-AIM and/or the EOC (End of Course Exam).

The next section details how the test requirements may be met.

GRC HS Diploma Testing Requirements

In addition to completing required courses, students must pass exit exams, or state approved alternatives, in English Language arts (ELA), math and science. If a student previously passed the Smarter Balanced, WCAS and WA-AIM, they do not need to take another exit exam.

Green River is not a Smarter Balanced, WCAS or WA-AIM test site but students can connect with their local school district for instructions on taking the test at a high school. Washington state resident students must take the Smarter Balanced exam once after 10th grade before accessing a Certificate of Academic/Individual Achievement (CAA) Option. Students from private schools within the state do not need to take the Smarter Balanced exam first before accessing CAA Option alternative tests.

Students who transfer into a Washington public school from another state or from an in-state non-public school setting (private or home school) after the state administration of the Smarter Balanced Assessments in spring of 10th grade may be eligible to access

graduation alternatives without first attempting a state test. In addition, out of state/country transfer students may also access the CAA Option tests alternatives. Students taking these exams need to will need to speak with an advisor to complete a score verification form.

Smarter Balanced: English language arts (ELA) and math tests

Washington Comprehensive Assessment of Science (WCAS): Science test for grades 5, 8 and 11

Washington - Access to Instruction and Measurement (WA-AIM): ELA, math, and science alternate assessments for students with significant cognitive challenges documented in their Individualized Education Program (IEP)

Approved CAA Options test alternatives currently accepted by Green River ~ AP and SAT/ACT

These options allow students to meet state-determined minimum test area scores to substitute for the Smarter Balanced.

CAA Option category minimum requirements are provided on the tables below for using SAT, ACT, or AP test scores

Class of 2017-2020:

Graduation Assessment Requirement	SAT with Essay (March 2016 or later)	SAT (March 2016 or later)	ACT with Writing	ACT (no Writing)
Mathematics	430	430	16	16
English Language Arts	410	N/A	14	N/A

Class of 2016 and prior:

Graduation Assessment Requirement	OLD SAT (prior to March 2016)	SAT with Essay (March 2016 or later)	SAT (March 2016 or later)	OLD ACT with Writing (prior to September 2016)	ACT (no Writing)
Mathematics	390	430	430	16	16
Reading	350	19	19	13	13
Writing	380	22	N/A	15	N/A

Students must earn a score of 3 or higher on eligible AP exam or 4 or higher on eligible IB tests:

Graduation Assessment Requirement	AP Exams	IB Tests [must be at the Higher Level (HL)]
Mathematics	Calculus or Statistics	Mathematics or Further Mathematics
English Language Arts	English Language and Composition English Literature and Composition Macroeconomics Microeconomics Psychology United States History World History	Language A: Literature Language A: Language and Literature Business and Management Economics Geography History Information Technology Is a Global Society Philosophy

	United States Government and Politics Comparative Government and Politics	Psychology or Social and Cultural Anthropology
Reading (Class of 2016 and earlier)	English Literature and Composition, Macroeconomics, Microeconomics, Psychology, United States History, World History, United States Government and Politics, or Comparative Government and Politics	Language A: Literature, Language A: Language and Literature, Business and Management, Economics, Geography, History, Information Technology Is a Global Society, Philosophy, Psychology or Social and Cultural Anthropology
Writing (Class of 2016 and earlier)	English Language and Composition	

Course Articulation Policy

If a student transfers an individual course (from a Washington state high school or community and technical college) that meets a specific state high school requirement category at the sending institution, that course is considered to have met that requirement at Green River, even if this course does not have an exact equivalent. It is the student's responsibility to initiate the articulation process. We recommend that incoming students work with a Green River advisor to gather appropriate documentation from their previous high school as needed. This is in accordance with OSPI guidelines for acceptance of credit and Washington state High School Diploma requirements.

Course Options for Meeting Diploma Requirements

The following page provides a list of Washington State high school graduation requirements and the Green River classes that will meet those requirements. Students must pay careful attention to the graduation requirements for their particular graduation year and diploma pathway by consulting with their advisor. This will ensure they take the correct courses to earn their diploma.

Programs of Study

The following lists all the degree and certificate programs offered at Green River College.

Transfer Associate Degrees

Associate in Arts Degree, AA-DTA

Minimum of 90 Credits

The Associate in Arts degree is a Direct Transfer Agreement (DTA) designed for students who plan to transfer to a university after completing the first two years of study at Green River. The degree is recommended for students who have not yet decided the field they will enter or the university they will attend. It gives students the broad background they need before beginning more specialized, upper division courses and indicates that a student has completed a two-year liberal arts program.

Degree Outcomes

Students who have a particular major in mind can focus their distribution choices and elective credits toward meeting their transfer institution plan. An advisor can assist with this process. Students should include some 200-level coursework in their program of study.

This degree meets the Intercollege Relations Commission (ICRC) guidelines for direct transfer degrees, an inter-institutional agreement adopted to facilitate student transfer between Washington state community colleges and baccalaureate institutions.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 90-quarter credits in courses numbered 100 or above (from approved distribution list) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative college-level grade point average of **2.0** and earn a minimum of 24 credits at Green River.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, are urged to consult the catalog of the institution for which they plan to transfer.

1. Basic Skills (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Arts degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

And one of the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

B. Quantitative Skills/Symbolic Reasoning (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 107 - Math in Society Credits: 5

MATH 108 - Contemporary Math for Information Technology Credits: 5

MATH 109 - Mathematical Models in Gaming Credits: 5

MATH& 141 - PreCalculus I Credits: 5

MATH& 142 - PreCalculus II Credits: 5

MATH& 146 - Introduction to Statistics Credits: 5

MATH 147 - Finite Mathematics-Business and Social Science Credits: 5

MATH& 148 - Business Calculus Credits: 5

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

MATH& 163 - Calculus III Credits: 5

MATH& 131 - Mathematics for Elementary Education 1 Credits: 5 *

MATH& 132 - Mathematics for Elementary Education 2 Credits: 5 *

MATH 238 - Differential Equations Credits: 5

MATH 240 - Topics in Linear Algebra Credits: 5

MATH& 254 - Calculus IV Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

PHIL& 120 - Symbolic Logic Credits: 5 **

Notes

Students who have taken PHIL& 120 before Fall 2013, must also take MATH 97 (or higher) and pass with a grade of **2.0 or higher; or have appropriate Math placement of MATH& 107 or higher)

* MATH& 131 and MATH& 132 does not satisfy this requirement at the University of Washington.

2. Humanities/Fine Arts/English (15 Credits)

Minimum 15 credits from Humanities/Fine Arts/English Distribution in three separate areas. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses. Courses that fulfill the diversity requirement may also be used to fulfill a distribution requirement. See Diversity Course List for a complete list of courses satisfying the diversity course requirements.

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

H 3 - Humanities/Fine Arts/English Credits: 5

3. Social Science (15 credits)

Minimum 15 credits from Social Science Distribution in three separate areas or minimum 15 credits from two separate areas with a 200-level course required within the two-course emphasis. See Diversity Course List for a list of courses satisfying the diversity requirements.

S 1 - Social Science Credits: 5

S 2 - Social Science Credits: 5

S 3 - Social Science Credits: 5

4. Natural Science (15 credits)

Minimum of 15 credits from the Natural Science Distribution at least two separate areas. Ten credits must be chosen from List A, including a minimum of 5 credits from lab sciences (courses designated with Ⓐ symbol). The additional 5 credits may be taken from either List A or List B.

N 1 - Natural Science List A (Lab) Credits: 5

N 2 - Natural Science List A Credits: 5

N 3 - Natural Science List A or List B Credits: 5

5. Additional Credits (15 credits)

A minimum of 15 credits from courses listed in one or both of the following categories:

A. Distribution Courses

Courses in Humanities/Fine Arts/English Distribution, Social Science Distribution, or Natural Science Distribution categories. There is no restriction on the number of required disciplines.

H 1 - Humanities/Fine Arts/English Credits: 5 or

S 1 - Social Science Credits: 5 or

N 3 - Natural Science List A or List B Credits: 5

B. Generally Transferable Courses

ACCT& 201 - Principles of Accounting I Credits: 5

ACCT& 202 - Principles of Accounting II Credits: 5

ACCT& 203 - Principles of Accounting III Credits: 5

CS 121 - Computer Programming 1 Credits: 5

CS 122 - Computer Programming 2 - Java Objects Credits: 5

CS 123 - Computer Programming 3 - Java Data Structures Credits: 5

ECED& 105 - Introduction to Early Childhood Education Credits: 5

EDUC& 115 - Child Development Credits: 5

EDUC& 204 - Inclusive Education Credits: 5

EDUC& 205 - Introduction to Education with Field Experience Credits: 5

EDUC 210 - Assisting Practicum Credits: 3

NATRS 100 - Introduction to Natural Resources Credits: 5

6. Electives (15 credits)

All courses numbered 100 or higher may be taken as electives, except Basic Skills and no more than 3 credits Physical Education. Courses should include preparation for a major and/or general interest/leisure-time activity.

7. Diversity Requirement (1 course)

A minimum of one course from the Diversity Course list must be taken to satisfy the diversity course requirement. In most cases, a course also satisfies other distribution areas.

D 1 - Diversity Credits: 1 course

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Optional Concentrations of Study

Students may choose to complete one or more concentrations of study below and have it noted on their transcript **ONLY** when the student successfully complete the Associate in Arts-Direct Transfer Agreement (AA-DTA) degree. Otherwise, courses taken will transfer to four-year universities on a course-by-course basis only.

- Art History Concentration
- Asian Studies Concentration
- Black Studies Concentration
- Communication Studies Concentration
- Creative Expression Concentration
- Digital Media Concentration
- Diversity Studies Concentration
- Film Studies Concentration
- Gender Studies Concentration
- Global Studies Concentration
- Hispanic Studies Concentration
- Music Concentration
- Philosophy Concentration
- Psychology Concentration
- Theatre Arts Concentration

Associate in Biology, DTA/MRP

Minimum 90 Credits

Associate in Biology Direct Transfer Agreement/Major Related Program encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in Biology. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation, with an emphasis on data collection and inquiry-based student research.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 90-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of 2.0 and earn a minimum of 24 credits at Green River College.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/biology/index.html>

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer. Note that admission to specific upper division Biology programs may be competitive; therefore, no particular GPA can guarantee admission to any specific program.

Schools accepting the Biology DTA/MRP:

Public Four-Year/Research

University of Washington

Washington State University

Public Four-Year/Comprehensive

Central Washington University

Eastern Washington University

The Evergreen State College

Western Washington University

Independent/Private Four-Year

Saint Martin's University

Seattle Pacific University

Seattle University

Whitworth University

1. Basic Skills (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

After consultation with a science advisor

Five additional credits are recommended from the following:

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

B. Quantitative Skills/Symbolic Reasoning (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

2. Humanities/Fine Arts/English (15 Credits)

Minimum 15 credits of Humanities/Fine Arts/English Distribution courses from three separate areas. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses.

In order to better prepare for successful transfer, students are encouraged to consult with the institution(s) to which they wish to transfer regarding the courses that best support or may be required as prerequisites to their biology curriculum.

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

H 3 - Humanities/Fine Arts/English Credits: 5

3. Social Science (15 credits)

Minimum 15 credits of Social Science Distribution courses from three separate areas or minimum 15 credits from two separate areas with a 200-level course required within the two-course emphasis.

In order to better prepare for successful transfer, students are encouraged to consult with the institution(s) to which they wish to transfer regarding the courses that best support or may be required as prerequisites to their biology curriculum.

S 1 - Social Science Credits: 5

S 2 - Social Science Credits: 5

S 3 - Social Science Credits: 5

4. Natural Science (36 credits)

It is strongly suggested that student beginning their science sequence complete it at the originating college.

A. Chemistry (18 credits)

CHEM& 161 - General Chemistry with Lab I Credits: 6

CHEM& 162 - General Chemistry with Lab II Credits: 6

CHEM& 163 - General Chemistry with Lab III Credits: 6

B. Biology (18 credits)

BIOL& 211 must be taken before BIOL& 212 or 213.

BIOL& 211 - Majors Cellular Credits: 6

BIOL& 212 - Majors Animal Credits: 6

BIOL& 213 - Majors Plant Credits: 6

5. Electives (9 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and no more than 3 credits Physical Education may be taken as elective. Additional credits should be planned in consultation with an advisor.

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Business, AB-DTA/MRP

Minimum of 90 credits

The Associate in Business Direct Transfer Agreement/Major Related Program (AB-DTA/MRP) is generally pursued by students who plan to transfer to a four-year university as a business or accounting major after completing their first two years at Green River. It is designed to meet the distribution requirements at universities in Washington State by fulfilling the general requirements taken by freshman and sophomores.

See Articulation Agreements for more details about the colleges who accept this degree.

The degree also indicates that a student has completed a two-year business program, which may be of value in career or lifetime goals.

To earn this degree, students must complete a minimum of 90 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific

distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of **2.0** and earn a minimum of 24 credits at Green River College. Business programs are competitive and may require a higher GPA overall, a higher GPA in a selected subset of courses or a specific minimum grade in one or more courses.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business/index.html>

1. Basic Skills (20 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Business degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

And one of the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

B. Quantitative Skills/Symbolic Reasoning (10 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 148 - Business Calculus Credits: 5

or

MATH& 151 - Calculus I Credits: 5

And one of the following:

MATH& 141 - PreCalculus I Credits: 5
MATH& 142 - PreCalculus II Credits: 5
MATH& 146 - Introduction to Statistics Credits: 5
MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
MATH& 148 - Business Calculus Credits: 5
MATH& 151 - Calculus I Credits: 5
MATH& 152 - Calculus II Credits: 5
MATH& 163 - Calculus III Credits: 5

Note:

Students may take both MATH& 148 and MATH& 151 to meet the 10 credits required for the Quantitative Skills/Reasoning requirement.

2. Humanities/Fine Arts/English (15 Credits)

Minimum 15 credits of Humanities/Fine Arts/English Distribution courses from three separate areas. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses.

H 1 - Humanities/Fine Arts/English Credits: 5
H 2 - Humanities/Fine Arts/English Credits: 5
H 3 - Humanities/Fine Arts/English Credits: 5

3. Social Science (20 credits)

No more than 10 credits from any one discipline.

A. Economics (10 credits)

ECON& 201 - Micro Economics Credits: 5
ECON& 202 - Macro Economics Credits: 5

B. Business Management (5 credits)

BUS& 201 - Business Law and the Regulation of Business Credits: 5

Note

** POLS& 200 - Introduction to Law: United States is a prerequisite to BUS& 201.*

C. Choose 5 credits from the following:

AMES 100 - Introduction to American Ethnic Studies Credits: 5

AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5
 AMES 105 - Social Inequality and Change in American Sports Credits: 5
 AMES 150 - Race and Ethnicity in the Pacific Credits: 5
 AMES 230 - Introduction to Critical Asian American & Pacific Islander Studies
 Credits: 5
 ANTH& 100 - Survey of Anthropology Credits: 5
 ANTH& 104 - World Prehistory Credits: 5
 ANTH 108 - Food, Drink and Culture Credits: 5
 ANTH& 204 - Archaeology Credits: 5
 ANTH& 205 - Biological Anthropology Credits: 5
 ANTH& 206 - Cultural Anthropology Credits: 5
 ANTH& 207 - Linguistic Anthropology Credits: 5
 ANTH& 210 - Indigenous Peoples of North America Credits: 5
 ANTH& 216 - Indigenous Peoples of the Northwest Coast Credits: 5
 ANTH 220 - Sex, Gender and Culture Credits: 5
 ANTH& 234 - Religion and Culture Credits: 5
 ANTH& 235 - Cross-Cultural Medicine Credits: 5
 ANTH& 236 - Forensic Anthropology Credits: 5
 ANTH 273 - Field Archeology Credits: 1-10
 BUS& 101 - Introduction to Business Credits: 5
 BUS 181 - Introduction to International Business Credits: 5
 CJ& 101 - Introduction to Criminal Justice Credits: 5
 CJ& 105 - Introduction to Corrections Credits: 5
 CJ& 110 - Criminal Law Credits: 5
 CJ& 240 - Introduction to Forensic Science Credits: 5
 GEOG& 100 - Introduction to Geography Credits: 5
 GEOG 120 - Introduction to Physical Geography Credits: 5
 GEOG 123 - Globalization Credits: 5
 GEOG 190 - Geographic Exploration Credits: 1-10
 GEOG& 200 - Human Geography Credits: 5
 GEOG 201 - World Regional Geography Credits: 5
 GEOG 205 - Environmental Geography Credits: 5
 GEOG 210 - Mountain Geography Credits: 5
 HIST 120 - History of the Movies Credits: 5
 HIST 122 - History of Australian Movies Credits: 5
 HIST& 126 - World Civilizations I Credits: 5
 HIST& 127 - World Civilizations II Credits: 5
 HIST& 128 - World Civilizations III Credits: 5
 HIST 135 - The United States Since 1940 Credits: 5
 HIST& 136 - U.S. History I Credits: 5
 HIST& 137 - U.S. History II Credits: 5
 HIST& 214 - Pacific Northwest History Credits: 5
 HIST& 215 - Women in U.S. History Credits: 5
 HIST& 220 - African-American History Credits: 5

HIST 228 - Latinos in the United States Credits: 5
 HIST 230 - Modern Europe Credits: 5
 HIST 231 - Modern Asia Credits: 5
 HIST 233 - History of Latin America Credits: 5
 HIST 237 - History of Australia and New Zealand Credits: 5
 HIST 240 - The Civil War Credits: 5
 HIST 250 - The Vietnam War Credits: 5
 POLS& 101 - Introduction to Political Science Credits: 5
 POLS& 200 - Introduction to Law: United States Credits: 5
 POLS& 202 - United States Government Credits: 5
 POLS& 203 - International Relations Credits: 5
 POLS& 204 - Comparative Government Credits: 5
 POLS 207 - American Political Participation Credits: 5
 POLS 209 - State and Local Government Politics Credits: 5
 PSYC& 100 - General Psychology Credits: 5
 PSYC& 180 - Human Sexuality Credits: 5
 PSYC& 200 - Lifespan Psychology Credits: 5
 PSYC 201 - Personality Credits: 5
 PSYC 209 - Fundamentals of Psychological Research Credits: 5
 PSYC& 220 - Psychological Disorders Credits: 5
 PSYC 225 - Fundamentals of Physiological Psychology Credits: 5
 PSYC 240 - Social Psychology Credits: 5
 S SCI 160 - Introduction to the Study of Gender Credits: 5
 SOC& 101 - Introduction to Sociology Credits: 5
 SOC& 201 - Social Problems Credits: 5
 SOC 202 - Sociology of Food Credits: 5
 SOC 205 - Sociology of Disability Credits: 5
 SOC 214 - Sociology of Race and Ethnicity Credits: 5
 SOC 215 - Survey of Criminology Credits: 5
 SOC 220 - Sex and Gender in Society Credits: 5
 SOC 230 - Sociology of Death and Dying Credits: 5
 SOC 240 - Sociology of the Family Credits: 5
 SOC 245 - Juvenile Delinquency Credits: 5
 SOC 260 - Crime and Justice Credits: 5
 SOC 271 - Deviance, Power, and Social Control Credits: 5

4. Natural Sciences (15 credits)

Minimum of 15 credits from the Natural Science Distribution at least two separate areas.
 Ten credits must be chosen from List A, including a minimum of 5 credits from lab sciences (courses designated with Ⓐ symbol). The additional 5 credits may be taken from either List A or List B.

A. Mathematics (5 credits)

MATH 256 - Statistics for Business and Social Science Credits: 5

B. Natural Science (10 credits)

5 credits from the lab sciences, courses designated with ① symbol, must be included.

N 1 - Natural Science List A (Lab) Credits: 5

N 2 - Natural Science List A Credits: 5

5. Accounting (15 credits)

ACCT& 201 - Principles of Accounting I Credits: 5

ACCT& 202 - Principles of Accounting II Credits: 5

ACCT& 203 - Principles of Accounting III Credits: 5

6. Electives (5 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and no more than 3 credits Physical Education may be taken as electives.

Note:

Students choose electives in consultation with their Green River advisor and transfer university admissions representative.

Advising Notes:

Students intending the International Business major should consult their potential transfer institution regarding the level of world language required for admission to the major. Five (5) credits in World Languages may apply to the humanities requirements. Also, students are encouraged to include speech or oral communication course (not small group communication).

Eastern Washington University - The second English composition course must be equivalent to EWU's English 201-College Composition: Analysis, Research and Documentation.

Gonzaga University - Additional admission to the major requires Management Information Systems (BMIS 235).

Pacific Lutheran University - Additional admission to the major requires Computer Applications (CSCE 120), either an equivalent course or skills test.

Seattle Pacific University - Additional admission to the major requires Spreadsheets (BUS 1700), either an equivalent course or skills test.

Washington State University (all campuses) - Additional admission to the major requires Management Information Systems (MIS 250).

Western Washington University - Students intending the Manufacturing Management major at WWU should consult WWU regarding the selection of natural science courses required for admission to the major. Additional admission to the major requires Introduction to Business Computer Systems (MIS 220)

International students who completed a business law course specific to their home country must take a business law course at a U.S. institution in order to demonstrate proficiency in U.S. business law.

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Computer Science, ACS-DTA/MRP

90 Credits

The Associate in Computer Science Direct Transfer Agreement Major Related Program (ACS-DTA/MRP) is designed to provide a pathway for students preparing for computer science and related majors at universities and colleges in the state of Washington. Computer science programs are competitive, and this pathway intends to provide students with the needed information and skills to optimize their coursework to meet the Direct Transfer Agreement and prepare for computer science and related majors at a participating baccalaureate institutions. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 90-credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Student must attain a cumulative grade point average of **2.0** and earn a minimum of 24 credits at Green River College. Computer science programs are competitive and may require a higher GPA overall or a higher GPA in specific courses.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/computer-science/index.html>

1. Basic Skills (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Computer Science degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

B. Quantitative Skills/Symbolic Reasoning (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

2. Humanities/Fine Arts/English (15 Credits)

Minimum 15 credits of Humanities/Fine Arts/English Distribution courses from three separate areas. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses.

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

H 3 - Humanities/Fine Arts/English Credits: 5

3. Social Science (15 credits)

Minimum 15 credits of Social Science Distribution courses from three separate areas or minimum 15 credits from two separate areas with a 200-level course required within the two-course emphasis.

S 1 - Social Science Credits: 5
S 2 - Social Science Credits: 5
S 3 - Social Science Credits: 5

4. Natural Science (15 credits)

MATH& 152 - Calculus II Credits: 5
PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5

5. Specific Requirements (10-15 credits)

Choose one of the following groups:

Choose one of the following groups based upon your intended transfer institution. Note that most transfer programs prefer a Java based sequence which would be the group 1 option.

Group 1

CS 121 - Computer Programming 1 Credits: 5
CS 122 - Computer Programming 2 - Java Objects Credits: 5
CS 123 - Computer Programming 3 - Java Data Structures Credits: 5

Group 2

CS& 131 - Computer Science I C++ Credits: 5
CS 132 - C++ Data Structures Credits: 5

6. Electives (15-25 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education may be taken as electives. Courses should be planned with the help of an advisor based on the student's interests, the intended major, and the preference of the most likely baccalaureate institution.

CS 109 - Data Science for Social Good Credits: 5
CS 121 - Computer Programming 1 Credits: 5
CS 170 - Linear Algebra for Data Analysis Credits: 5
CS 202 - Discrete Structures 1 Credits: 5
PHYS& 114 - General Physics I with Lab Credits: 5
if needed to enter PHYS& 221 - Engineering Physics I with Lab

MATH& 163 - Calculus III Credits: 5
MATH& 254 - Calculus IV Credits: 5

Advising Notes:

MATH& 163 - Calculus III is recommended for many transfer institutions.

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Fine Arts, AFA

Minimum of 103 Credits

The Associate in Fine Arts degree is generally pursued by students who plan to transfer to a four-year university. However, completion of this degree does not guarantee admission as an art major. This degree offers students a broad foundation in advanced education or a career in Art.

In order to be granted the Washington state Direct Transfer Agreement (DTA), students must apply for the Associate in Arts Degree, AA-DTA as well as the AFA at the time of graduation.

A portfolio highlighting the student's best work completed at Green River College, emphasizing originality, facility, and exploration is highly recommended. Portfolio presentation is usually the determining factor in acceptance for Fine Arts major, and this degree provides the structure for the preparation of a strong portfolio.

To earn this degree, students must complete a minimum of 103 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of **2.0** and earn a minimum of 24 credits at Green River College.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/fine-arts-humanities/arts/index.html>

1. Basic Skills (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Fine Arts degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

And one of the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

B. Quantitative Skills/Symbolic Reasoning (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 107 - Math in Society Credits: 5

MATH& 141 - PreCalculus I Credits: 5

MATH& 142 - PreCalculus II Credits: 5

MATH& 146 - Introduction to Statistics Credits: 5

MATH 147 - Finite Mathematics-Business and Social Science Credits: 5

MATH& 148 - Business Calculus Credits: 5

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

MATH& 163 - Calculus III Credits: 5

MATH& 131 - Mathematics for Elementary Education 1 Credits: 5 *

MATH& 132 - Mathematics for Elementary Education 2 Credits: 5 *

MATH 238 - Differential Equations Credits: 5

MATH 240 - Topics in Linear Algebra Credits: 5

MATH& 254 - Calculus IV Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

PHIL& 120 - Symbolic Logic Credits: 5 **

Notes

* MATH& 171, MATH& 172, and MATH& 173 does not satisfy this requirement at the University of Washington.

** Students who have taken PHIL& 120 before Fall 2013, must also take MATH 097 (or higher) and pass with a grade of 2.0 or higher; or have appropriate Math placement of MATH& 107 or higher)

2. Humanities/Fine Arts/English (15 Credits)

15 credits from three separate areas.

Choose 10 credits from the following:

5 credits from Art 212, 213, 214, 240 or 241 AND 5 credits from Photo 101 or 111.

ART 212 - History of Art 1 Credits: 5

ART 213 - History of Art 2 Credits: 5

ART 214 - History of Art 3 Credits: 5

ART 240 - History of Art and Feminism Credits: 5

ART 241 - History of Indigenous Art of the Americas Credits: 5

PHOTO 101 - Beginning Black and White Photography Credits: 5

PHOTO 111 - Beginning Digital Photography Credits: 5

Choose 5 credits from following:

Courses that fulfill the diversity course requirement may also be used to fulfill a distribution requirement. See Diversity Course List for a complete list of courses satisfying the diversity course requirement.

CHIN 111 - First Year Chinese for Heritage Learners Credits: 5

CHIN& 121 - Chinese I Credits: 5

CHIN& 122 - Chinese II Credits: 5

CHIN& 123 - Chinese III Credits: 5

CHIN 146 - Introduction to Chinese Culture and Life Credits: 5

CMST& 102 - Introduction to Mass Media Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST 212 - Persuasion and Propaganda Credits: 5

CMST 213 - Communication in Social Media Credits: 5

CMST 215 - Critical Analysis of Media Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

CMST 245 - Argumentation Credits: 5

CMST 265 - Introduction to Popular Culture Credits: 5

CMST 266 - Film and Television as Popular Culture Credits: 5

DRMA& 101 - Introduction to Theatre Credits: 5

ENGL& 112 - Introduction to Fiction Credits: 5

ENGL& 113 - Introduction to Poetry Credits: 5
 ENGL& 114 - Introduction to Drama Credits: 5
 ENGL 115 - Introduction to Novels Credits: 5
 ENGL 160 - Women's Literature Credits: 5
 ENGL 161 - Cultures of Desire Credits: 5
 ENGL 163 - The Poetics of Rap and Hip Hop Credits: 5
 ENGL 165 - Introduction to the Myths of the World Credits: 5
 ENGL 168 - Introduction to Irish Literature Credits: 5
 ENGL 180 - Children's Literature Credits: 5
 ENGL 181 - Literary Approaches to Pop Culture Credits: 5
 ENGL 183 - Detective and Mystery Fiction Credits: 5
 ENGL 185 - The Bible as Literature Credits: 5
 ENGL 190 - Young Adult Literature Credits: 5
 ENGL& 220 - Introduction to Shakespeare Credits: 5
 ENGL& 226 - British Literature I: 7th to 16th Century Credits: 5
 ENGL& 227 - British Literature II: 17th to 18th Century Credits: 5
 ENGL& 228 - British Literature III: 19th to 21st Century Credits: 5
 ENGL& 236 - Creative Writing I Credits: 5
 ENGL& 237 - Creative Writing II Credits: 5
 ENGL& 244 - American Literature I: American Literature to 1860 Credits: 5
 ENGL& 245 - American Literature II: Civil War to WWI Credits: 5
 ENGL& 246 - American Literature III: WWI to Present Credits: 5
 ENGL 247 - American Ethnic Literature Credits: 5
 ENGL 248 - African-American Literature Credits: 5
 ENGL 249 - U.S. Latinx Literature Credits: 5
 ENGL 250 - U.S. Indigenous Literatures Credits: 5
 ENGL 251 - Asian American Literatures Credits: 5
 ENGL& 255 - World Literature II: 7th to 18th Century Credits: 5
 ENGL& 256 - World Literature III: 19th to 21st Century Credits: 5
 ENGL 264 - Shakespeare on Film Credits: 5
 FILM 120 - The Art of the Film Credits: 5
 FILM 121 - Contemporary American Film Credits: 5
 FILM 122 - Introduction to Film: Genres Credits: 5
 FILM 191 - Latin America in Film Credits: 5
 FRCH& 121 - French I Credits: 5
 FRCH& 122 - French II Credits: 5
 FRCH& 123 - French III Credits: 5
 FRCH& 221 - French IV Credits: 5
 FRCH& 222 - French V Credits: 5
 FRCH& 223 - French VI Credits: 5
 GERM& 121 - German I Credits: 5
 GERM& 122 - German II Credits: 5
 GERM& 123 - German III Credits: 5
 GERM& 221 - German IV Credits: 5

GERM& 222 - German V Credits: 5
 GERM& 223 - German VI Credits: 5
 HUMAN 110 - Background for the Humanities Credits: 5
 HUMAN 133 - People, Language and Culture Credits: 5
 HUMAN 160 - Introduction to Gender Studies Credits: 5
 JAPN& 121 - Japanese I Credits: 5
 JAPN& 122 - Japanese II Credits: 5
 JAPN& 123 - Japanese III Credits: 5
 JAPN 142 - Introduction to Japanese Life and Culture Credits: 5
 JAPN& 221 - Japanese IV Credits: 5
 JAPN& 222 - Japanese V Credits: 5
 JAPN& 223 - Japanese VI Credits: 5
 LAS 190 - Latin American Culture Through Literature Credits: 5
 LAS 191 - Latin America in Film Credits: 5
 LAS 193 - Andean & Amazonian Culture: Continuity and Change Credits: 5
 LAS 200 - Latin American Women: Struggles and Literature Credits: 5
 LAS 201 - Africa in Latin America: From Language to Food to Music and Dance
 Credits: 5
 MUSC 101 - Fundamentals of Music Credits: 5
 MUSC 103 - American Popular Music Credits: 5
 MUSC 104 - Music in World Culture Credits: 5
 MUSC& 105 - Music Appreciation Credits: 5
 MUSC 107 - History of Jazz Credits: 5
 MUSC 108 - Computer Music 1 Credits: 5
 MUSC 109 - Computer Music 2 Credits: 5
 MUSC 110 - Computer Music 3 Credits: 5
 MUSC& 131 - Music Theory 1 Credits: 3
 MUSC& 132 - Music Theory 2 Credits: 3
 MUSC& 133 - Music Theory 3 Credits: 3
 PHIL& 101 - Introduction to Philosophy Credits: 5
 PHIL 102 - Contemporary Moral Problems Credits: 5
 PHIL 103 - Historical Survey-Ancient Philosophy Credits: 5
 PHIL 105 - Historical Survey-Modern Philosophy Credits: 5
 PHIL 108 - Historical Survey-Contemporary Philosophy Credits: 5
 PHIL 110 - Social and Political Philosophy Credits: 5
 PHIL 111 - Science, Technology, and Value Credits: 5
 PHIL 112 - Ethics in the Workplace Credits: 5
 PHIL& 115 - Critical Thinking Credits: 5
 PHIL 160 - Introduction to the Philosophy of Science Credits: 5
 PHIL 200 - Introduction to the Philosophy of Religion Credits: 5
 PHIL 206 - Gender and Philosophy Credits: 5
 PHIL 210 - Comparative Religion Credits: 5
 PHIL 216 - Women and World Religions Credits: 5
 PHIL 220 - Introduction to Eastern Philosophy Credits: 5

PHIL 236 - Existentialism Credits: 5
PHIL 238 - Introduction to Philosophy of Human Rights Credits: 5
PHIL 240 - Introduction to Ethics Credits: 5
PHIL 243 - Environmental Ethics Credits: 5
SPAN& 121 - Spanish I Credits: 5
SPAN& 122 - Spanish II Credits: 5
SPAN& 123 - Spanish III Credits: 5
SPAN& 221 - Spanish IV Credits: 5
SPAN& 222 - Spanish V Credits: 5
SPAN& 223 - Spanish VI Credits: 5
SPAN 272 - Culturas de Espana Credits: 5
SPAN 290 - Latin American Culture Through Literature (Spanish) Credits: 5
SPAN 291 - Latin America in Film (Spanish) Credits: 5
SPAN 292 - Latin American Women: Struggles and Literature (Spanish) Credits: 5

3. Social Science (15 credits)

Minimum 15 credits from three separate areas or minimum 15 credits from two separate areas with a 200-level course required within the two-course emphasis from the Social Science Distribution. Courses that fulfill the diversity course requirement may also be used to fulfill a distribution requirement. See Diversity Section for a complete list of courses satisfying the diversity course requirement.

S 1 - Social Science Credits: 5
S 2 - Social Science Credits: 5
S 3 - Social Science Credits: 5

4. Natural Science (15 credits)

Select any three courses from at least two separate areas of Natural Science Distribution courses. Ten credits must be from List A, including a minimum of 5 credits from lab sciences. The additional 5 credits can be from List A or List B. courses designated with (L) symbol, must be included.

N 1 - Natural Science List A (Lab) Credits: 5
N 2 - Natural Science List A Credits: 5
N 3 - Natural Science List A or List B Credits: 5

5. Specific Requirements (43 credits)

List A (20 Credits)

ART 105 - Beginning Drawing Credits: 5
ART 109 - Beginning Design Credits: 5

ART 114 - Pottery 1 Credits: 3-5
ART 119 - 3-Dimensional Design Credits: 5

List B-Art Electives (23 credits)

Class selection can depend on if a student wants to pursue a concentration (listed below). Otherwise, students are required to choose a minimum of 23 credits from the following:

ART 106 - Intermediate Drawing Credits: 5
ART 107 - Advanced Drawing Credits: 5
ART 110 - Intermediate Design and Color Credits: 5
ART 111 - Painting 1 Credits: 5
ART 115 - Pottery 2 Credits: 3-5
ART 120 - Introduction to Graphic Design Credits: 5
ART 123 - Beginning Videography Credits: 5
ART 130 - Watercolor Painting Credits: 3
ART 135 - Introduction to Screen Printing Credits: 5
ART 139 - Introduction to Digital Illustration Credits: 3
ART 140 - Introduction to Animation Credits: 5
ART 177 – Art-Work Experience 1 Credits: 1-5
ART 178 – Art-Work Experience 2 Credits: 1-5
ART 179 – Art-Work Experience 3 Credits: 1-5
ART 180 - The Artist's Portfolio Credits: 3
ART 199 - Independent Study-Design Credits: 1-5
ART 212 - History of Art 1 Credits: 5 *
ART 213 - History of Art 2 Credits: 5 *
ART 214 - History of Art 3 Credits: 5 *
ART 219 - Advanced 3-Dimensional Design Credits: 5
ART 240 - History of Art and Feminism Credits: 5 *
ART 251 - Ceramics 1 Credits: 5
ART 252 - Ceramics 2 Credits: 5
ART 253 - Ceramics 3 Credits: 5
ART 255 - Advanced Painting 1 Credits: 5
ART 256 - Advanced Painting 2 Credits: 5
ART 257 - Advanced Painting 3 Credits: 5
ART 275 - Independent Study-Ceramics 1 Credits: 1-5
ART 276 - Independent Study-Ceramics 2 Credits: 1-5
ART 277 - Independent Study-Ceramics 3 Credits: 1-5
ART 294 - Independent Study-Painting 1 Credits: 1-5
ART 297 - Independent Study-Advanced Drawing 1 Credits: 1-5
PHOTO 101 - Beginning Black and White Photography Credits: 5 *
PHOTO 102 - Intermediate Photography Credits: 5
PHOTO 103 - Advanced Photography Credits: 5
PHOTO 111 - Beginning Digital Photography Credits: 5 *

PHOTO 112 - Intermediate Digital Photography Credits: 5
PHOTO 113 - Advanced Digital Photography Credits: 5
PHOTO 197 - Independent Study-Photography Credits: 1-5

Notes

* Students cannot use this course if previously taken under a different category in the AFA degree.

6. Diversity Requirement (1 course)

A minimum of one course from the Diversity Course List must be taken to satisfy the diversity requirement. In most cases, courses often also satisfy other distribution areas.

D 1 - Diversity Credits: 1 course

Optional Concentrations of Study

Students may choose to complete one or more concentrations of study below and have it posted to their transcript only when the student successfully completes the AA-DTA and/or AFA degree. Students are urged to consult their advisor to plan their program of study.

Ceramics Concentration
Design Concentration
Photography Concentration
Studio Concentration

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Math Education, AM-DTA/MRP

Minimum of 90-91 credits

The Associate in Math Education Direct Transfer Agreement/Major Related Program (AM-DTA/MRP) degree was created to aid students interested in careers as secondary math teachers. Future secondary teachers must pursue a major in their field, as well as entrance into a school of education. As a result, there is little room for electives.

This degree is intended to ensure that graduates of Green River are as well prepared as their counterparts at four-year colleges. The transferability of these degrees is backed by a statewide articulation agreement with teacher-training universities. In addition, this degree is accepted by baccalaureate institutions in the state of Washington under the Direct Transfer Agreement. It will fulfill the general education requirements at Washington state transfer institutions.

See Articulation Agreements for more details about the colleges who accept this degree.

Apart from the requirements embedded within the degree, students should check specific requirements of their intended transfer schools. This is especially true in the area of field experience, since teacher certification institutions vary in terms of the quality and quantity of experience required.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of **2.0** and earn a minimum of 24 credits at Green River College.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: Math | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/mathematics/index.html>

1. Basic Skills (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Math Education degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

And one of the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

B. Quantitative Skills/Symbolic Reasoning (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

2. Humanities/Fine Arts/English (15 Credits)

No more than 10 credits allowed from any one discipline.

A. Communication Studies

CMST& 220 - Public Speaking Credits: 5

B. 10 credits from the Humanities/Fine Arts/English distribution

No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses (see performance/skills sections) can be applied towards Humanities/Fine Arts/English Distribution.

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

3. Social Science (15 credits)

No more than 10 credits from any one discipline.

A. Psychology (5 credits)

PSYC& 100 - General Psychology Credits: 5

B. American Minority and Ethnic Studies or Anthropology (5 credits)

AMES 100 - Introduction to American Ethnic Studies Credits: 5

or

ANTH& 206 - Cultural Anthropology Credits: 5

C. A minimum of 5 credits from the Social Science distribution:

Social Science Distribution course list.

S 1 - Social Science Credits: 5

4. Natural Sciences (15 credits)

No more than 10 credits allowed from any one discipline.

A. Mathematics

MATH& 152 - Calculus II Credits: 5

B. A minimum of 10 credits from Natural Science distribution

A minimum of 10 credits from the Natural Science Distribution list with 5 credits from the lab sciences courses designated with ① must be included.

N 1 - Natural Science List A (Lab) Credits: 5

N 3 - Natural Science List A or List B Credits: 5

5. Major Specific Course Work (20 credits)

EDUC& 205 - Introduction to Education with Field Experience Credits: 5

MATH& 163 - Calculus III Credits: 5

MATH 240 - Topics in Linear Algebra Credits: 5

MATH& 254 - Calculus IV Credits: 5

6. Electives (10 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and no more than 3 credits Physical Education may be taken as electives. Courses should include preparation for a major and/or general interest/leisure-time activity. Students should consult their transfer institution.

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Pre-Nursing, APreN-DTA/MRP

Minimum of 90-91 Credits

The Associate in Pre-Nursing Direct Transfer Agreement/Major Related Program is generally pursued by students who plan to transfer to a four-year college or university at

the junior level to a Bachelor of Science in Nursing Program (BSN). This degree is designed to meet the distribution requirements at universities in Washington State, by fulfilling the general requirements taken by freshmen and sophomores.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete a minimum of 90-91-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of **2.0** and earn a minimum of 24 credits at Green River College. Nursing programs are competitive and may require a higher GPA overall, a higher GPA in a selected subset of courses or a specific minimum grade in one or more courses.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/nursing/index.html>

1. Basic Skills (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Pre-Nursing degree requirements.

A. Communication Skills (10 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

and

ENGL 127 - Writing: Social Science Credits: 5

or

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

B. Quantitative Skills/Symbolic Reasoning (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 146 - Introduction to Statistics Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

2. Humanities (15 credits)

No more than 10 credits from any one discipline.

A. Communication Studies (5 credits)

CMST& 220 - Public Speaking Credits: 5

B. Minimum of 10 credits from the following

No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance/skills courses listed below.

ARAB 121 - Arabic I Credits: 5
ARAB 122 - Arabic II Credits: 5
ARAB 123 - Arabic III Credits: 5
ART& 100 - Art Appreciation Credits: 5
ART 212 - History of Art 1 Credits: 5
ART 213 - History of Art 2 Credits: 5
ART 214 - History of Art 3 Credits: 5
ART 240 - History of Art and Feminism Credits: 5
CHIN 111 - First Year Chinese for Heritage Learners Credits: 5
CHIN& 121 - Chinese I Credits: 5
CHIN& 122 - Chinese II Credits: 5
CHIN& 123 - Chinese III Credits: 5
CHIN 146 - Introduction to Chinese Culture and Life Credits: 5
CMST& 101 - Introduction to Communication Credits: 5
CMST& 102 - Introduction to Mass Media Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5
CMST 212 - Persuasion and Propaganda Credits: 5
CMST 213 - Communication in Social Media Credits: 5
CMST 215 - Critical Analysis of Media Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5
CMST 245 - Argumentation Credits: 5
CMST 265 - Introduction to Popular Culture Credits: 5
CMST 266 - Film and Television as Popular Culture Credits: 5
DRMA& 101 - Introduction to Theatre Credits: 5
DRMA 102 - Contemporary American Theatre Credits: 5
DRMA 103 - Musical Theatre History Credits: 5
ENGL& 112 - Introduction to Fiction Credits: 5
ENGL& 113 - Introduction to Poetry Credits: 5
ENGL& 114 - Introduction to Drama Credits: 5
ENGL 115 - Introduction to Novels Credits: 5
ENGL 160 - Women's Literature Credits: 5
ENGL 161 - Cultures of Desire Credits: 5

ENGL 162 - LGBTQ Literature Credits: 5
 ENGL 163 - The Poetics of Rap and Hip Hop Credits: 5
 ENGL 164 - Film as Literature Credits: 5
 ENGL 165 - Introduction to the Myths of the World Credits: 5
 ENGL 168 - Introduction to Irish Literature Credits: 5
 ENGL 180 - Children's Literature Credits: 5
 ENGL 181 - Literary Approaches to Pop Culture Credits: 5
 ENGL 183 - Detective and Mystery Fiction Credits: 5
 ENGL 185 - The Bible as Literature Credits: 5
 ENGL 190 - Young Adult Literature Credits: 5
 ENGL& 220 - Introduction to Shakespeare Credits: 5
 ENGL& 226 - British Literature I: 7th to 16th Century Credits: 5
 ENGL& 227 - British Literature II: 17th to 18th Century Credits: 5
 ENGL& 228 - British Literature III: 19th to 21st Century Credits: 5
 ENGL& 236 - Creative Writing I Credits: 5
 ENGL& 237 - Creative Writing II Credits: 5
 ENGL& 244 - American Literature I: American Literature to 1860 Credits: 5
 ENGL& 245 - American Literature II: Civil War to WWI Credits: 5
 ENGL& 246 - American Literature III: WWI to Present Credits: 5
 ENGL 247 - American Ethnic Literature Credits: 5
 ENGL 248 – African-American Literature Credits: 5
 ENGL 249 - U.S. Latinx Literature Credits: 5
 ENGL 250 - U.S. Indigenous Literatures Credits: 5
 ENGL 251 - Asian American Literatures Credits: 5
 ENGL& 255 - World Literature II: 7th to 18th Century Credits: 5
 ENGL& 256 - World Literature III: 19th to 21st Century Credits: 5
 ENGL 264 - Shakespeare on Film Credits: 5
 FILM 101 - Introduction to Film Studies Credits: 5
 FILM 120 - The Art of the Film Credits: 5
 FILM 121 - Contemporary American Film Credits: 5
 FILM 122 - Introduction to Film: Genres Credits: 5
 FILM 191 - Latin America in Film Credits: 5
 FRCH& 121 - French I Credits: 5
 FRCH& 122 - French II Credits: 5
 FRCH& 123 - French III Credits: 5
 FRCH 193 - Introduction to Francophone Life and Culture Credits: 5
 FRCH& 221 - French IV Credits: 5
 FRCH& 222 - French V Credits: 5
 FRCH& 223 - French VI Credits: 5
 GERM& 121 - German I Credits: 5
 GERM& 122 - German II Credits: 5
 GERM& 123 - German III Credits: 5
 HUMAN 110 - Background for the Humanities Credits: 5
 HUMAN 133 - People, Language and Culture Credits: 5

HUMAN 160 - Introduction to Gender Studies Credits: 5
 JAPN& 121 - Japanese I Credits: 5
 JAPN& 122 - Japanese II Credits: 5
 JAPN& 123 - Japanese III Credits: 5
 JAPN 142 - Introduction to Japanese Life and Culture Credits: 5
 JAPN& 221 - Japanese IV Credits: 5
 JAPN& 222 - Japanese V Credits: 5
 JAPN& 223 - Japanese VI Credits: 5
 JOURN 101 - Multimedia Journalism Credits: 5
 JOURN 107 - Introduction to Video Journalism Credits: 5
 JOURN 150 - Introduction to Broadcasting & Digital Media Credits: 5
 JOURN 152 - Broadcasting & Digital Media Management Credits: 5
 LAS 190 - Latin American Culture Through Literature Credits: 5
 LAS 191 - Latin America in Film Credits: 5
 LAS 200 - Latin American Women: Struggles and Literature Credits: 5
 LAS 201 - Africa in Latin America: From Language to Food to Music and Dance
 Credits: 5
 MUSC 101 - Fundamentals of Music Credits: 5
 MUSC 102 - Global Pop Music Credits: 5
 MUSC 103 - American Popular Music Credits: 5
 MUSC 104 - Music in World Culture Credits: 5
 MUSC& 105 - Music Appreciation Credits: 5
 MUSC 107 - History of Jazz Credits: 5
 MUSC 108 - Computer Music 1 Credits: 5
 MUSC 109 - Computer Music 2 Credits: 5
 MUSC 110 - Computer Music 3 Credits: 5
 MUSC& 131 - Music Theory 1 Credits: 3
 MUSC& 132 - Music Theory 2 Credits: 3
 MUSC& 133 - Music Theory 3 Credits: 3
 PHIL& 101 - Introduction to Philosophy Credits: 5
 PHIL 102 - Contemporary Moral Problems Credits: 5
 PHIL 103 - Historical Survey-Ancient Philosophy Credits: 5
 PHIL 105 - Historical Survey-Modern Philosophy Credits: 5
 PHIL 108 - Historical Survey-Contemporary Philosophy Credits: 5
 PHIL 110 - Social and Political Philosophy Credits: 5
 PHIL 111 - Science, Technology, and Value Credits: 5
 PHIL 112 - Ethics in the Workplace Credits: 5
 PHIL& 115 - Critical Thinking Credits: 5
 PHIL 160 - Introduction to the Philosophy of Science Credits: 5
 PHIL 200 - Introduction to the Philosophy of Religion Credits: 5
 PHIL 206 - Gender and Philosophy Credits: 5
 PHIL 210 - Comparative Religion Credits: 5
 PHIL 216 - Women and World Religions Credits: 5
 PHIL 220 - Introduction to Eastern Philosophy Credits: 5

PHIL 236 - Existentialism Credits: 5
PHIL 238 - Introduction to Philosophy of Human Rights Credits: 5
PHIL 240 - Introduction to Ethics Credits: 5
PHIL 243 - Environmental Ethics Credits: 5
SPAN& 121 - Spanish I Credits: 5
SPAN& 122 - Spanish II Credits: 5
SPAN& 123 - Spanish III Credits: 5
SPAN 192 - Introduction to Spanish Life and Culture Credits: 5
SPAN& 221 - Spanish IV Credits: 5
SPAN& 222 - Spanish V Credits: 5
SPAN& 223 - Spanish VI Credits: 5
SPAN 272 - Culturas de Espana Credits: 5
SPAN 290 - Latin American Culture Through Literature (Spanish) Credits: 5
SPAN 291 - Latin America in Film (Spanish) Credits: 5
SPAN 292 - Latin American Women: Struggles and Literature (Spanish) Credits: 5

Performance/Skills Courses

No more than 5 credits in performance/skills courses can meet the distribution requirements.

ART 105 - Beginning Drawing Credits: 5
ART 106 - Intermediate Drawing Credits: 5
ART 107 - Advanced Drawing Credits: 5
ART 109 - Beginning Design Credits: 5
ART 110 - Intermediate Design and Color Credits: 5
ART 111 - Painting 1 Credits: 5
ART 112 - Painting 2 Credits: 5
ART 113 - Painting 3 Credits: 5
ART 114 - Pottery 1 Credits: 3-5
ART 115 - Pottery 2 Credits: 3-5
ART 119 - 3-Dimensional Design Credits: 5
ART 120 - Introduction to Graphic Design Credits: 5
ART 130 - Watercolor Painting Credits: 3
ART 135 - Introduction to Screen Printing Credits: 5
ART 219 - Advanced 3-Dimensional Design Credits: 5
ART 251 - Ceramics 1 Credits: 5
ART 252 - Ceramics 2 Credits: 5
ART 253 - Ceramics 3 Credits: 5
ART 255 - Advanced Painting 1 Credits: 5
ART 256 - Advanced Painting 2 Credits: 5
ART 257 - Advanced Painting 3 Credits: 5
DANCE 101 - Introduction to Dance Credits: 3
DANCE 102 - Dance Technique 1 Credits: 3

DANCE 103 - Dance Technique 2 Credits: 3
 DANCE 204 - Choreography Workshop Credits: 3
 DRMA 111 - Rehearsal and Performance 1 Credits: 5
 DRMA 151 - Acting Fundamentals Credits: 5
 DRMA 152 - Acting-Building a Character Credits: 5
 DRMA 153 - Acting-Text Analysis Credits: 5
 DRMA 154 - Improvisation 1 Credits: 5
 DRMA 157 - Audition Techniques for Stage and Film Credits: 5
 DRMA 158 - Stage Combat Credits: 5
 MUSC 118 - Concert Choir 1 Credits: 1-3
 MUSC 119 - Concert Choir 2 Credits: 1-3
 MUSC 120 - Concert Choir 3 Credits: 1-3
 MUSC& 121 - Ear Training 1 Credits: 2
 MUSC& 122 - Ear Training 2 Credits: 2
 MUSC& 123 - Ear Training 3 Credits: 2
 MUSC 124 - Musical Rehearsal and Performance Credits: 5
 MUSC 125 - Vocal Coaching for Singers Credits: 5
 MUSC 127 - Green River Jazz Voices 1 Credits: 1-5
 MUSC 128 - Green River Jazz Voices 2 Credits: 1-5
 MUSC 129 - Green River Jazz Voices 3 Credits: 1-5
 MUSC 137 - Asian Drumming Ensemble 1: Korean Percussion Credits: 5
 MUSC 138 - Asian Drumming Ensemble 2: Korean Percussion Credits: 5
 MUSC 139 - Asian Drumming Ensemble 3: Korean Percussion Credits: 5
 MUSC 140 - Class Piano 1 Credits: 2
 MUSC 141 - Class Piano 2 Credits: 2
 MUSC 142 - Class Piano 3 Credits: 2
 MUSC 150 - Private Instruction 1 Credits: 1
 MUSC 151 - Private Instruction 2 Credits: 1
 MUSC 152 - Private Instruction 3 Credits: 1
 MUSC 170 - Music and the Environment Credits: 5
 MUSC 218 - Concert Choir 4 Credits: 1-3
 MUSC 219 - Concert Choir 5 Credits: 1-3
 MUSC 220 - Concert Choir 6 Credits: 1-3
 MUSC 227 - Green River Jazz Voices 4 Credits: 1-5
 MUSC 228 - Green River Jazz Voices 5 Credits: 1-5
 MUSC 229 - Green River Jazz Voices 6 Credits: 1-5
 MUSC 250 - Private Instruction 4 Credits: 1
 MUSC 251 - Private Instruction 5 Credits: 1
 MUSC 252 - Private Instruction 6 Credits: 1
 PHOTO 101 - Beginning Black and White Photography Credits: 5
 PHOTO 102 - Intermediate Photography Credits: 5
 PHOTO 103 - Advanced Photography Credits: 5
 PHOTO 111 - Beginning Digital Photography Credits: 5

3. Social Science (15 credits)

A. Psychology

PSYC& 100 - General Psychology Credits: 5

PSYC& 200 - Lifespan Psychology Credits: 5

B. A minimum of 5 credits:

AMES 100 - Introduction to American Ethnic Studies Credits: 5

AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5

AMES 105 - Social Inequality and Change in American Sports Credits: 5

AMES 150 - Race and Ethnicity in the Pacific Credits: 5

AMES 214 - Sociology of Race and Ethnicity Credits: 5

ANTH& 106 - American Mosaic: Cultures of the United States Credits: 5

ANTH& 206 - Cultural Anthropology Credits: 5

ANTH& 210 - Indigenous Peoples of North America Credits: 5

CJ 220 - Race and Class in Criminal Justice Credits: 5

HIST& 128 - World Civilizations III Credits: 5

HIST& 215 - Women in U.S. History Credits: 5

HIST 228 - Latinos in the United States Credits: 5

HIST 233 - History of Latin America Credits: 5

POLS& 204 - Comparative Government Credits: 5

SOC& 101 - Introduction to Sociology Credits: 5

SOC& 201 - Social Problems Credits: 5

SOC 205 - Sociology of Disability Credits: 5

SOC 214 - Sociology of Race and Ethnicity Credits: 5

SOC 220 - Sex and Gender in Society Credits: 5

4. Natural Sciences (35-36 credits)

Minimum of 25 credits lab-based

BIOL& 160 - General Biology with Lab Credits: 5

or

BIOL& 211 - Majors Cellular Credits: 6 **and**

BIOL& 260 - Microbiology Credits: 5

BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5 **and**

BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5

CHEM& 121 - Introduction to Chemistry Credits: 5 **and**

CHEM& 131 - Introduction to Organic Chemistry and Biochemistry Credits: 5

NUTR& 101 - Nutrition Credits: 5

5. Additional Courses (10 credits)

Select 10 credits from the Humanities/Fin Arts/English, Social Science, and Natural Science distribution lists.

Advising Notes:

Seattle University - Requires 10 credits in quantitative/symbolic reasoning with the additional class in college algebra or pre-calculus.

Walla Walla University - Requires that the second English composition class be a research writing class.

Washington State University - Requires a human diversity course. See WSU "Diversity Course Identification Guidelines" or choose courses that include minority, non-western, ethnic or other "area" studies.

University of Washington - Require 10 credits in quantitative/symbolic reasoning with the additional class in college algebra or pre-calculus (at UW Seattle, a class in Logic also serves for the additional class). Requires a minimum cumulative GPA of 3.0 for three Natural Sciences courses or a minimum cumulative GPA of 2.8 for four Natural Sciences courses. Requires 100 hours of healthcare experience.

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Science Transfer Track 1-Biology, Environmental Science, Chemistry, Geology, Earth Science, AST-1

Minimum of 90 Credits

Associate in Science Transfer degree Track 1 in Biology, Environmental Science, Chemistry, Geology, and Earth Science encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The

curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 90-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of **2.0** and earn a minimum of 24 credits at Green River College.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

Program Websites: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/biology/index.html>
or <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/chemistry/index.html>

1. Basic Skills (20 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Science-Transfer Track 1 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

After consultation with a science advisor

five additional credits are recommended from the following:

ENGL 126 - Writing: Humanities Credits: 5

or

ENGL 127 - Writing: Social Science Credits: 5

or

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

B. Quantitative Skills/Symbolic Reasoning (15 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

and

MATH& 163 - Calculus III Credits: 5

or

MATH 256 - Statistics for Business and Social Science Credits: 5

Humanities & Social Science (15 credits)

Select 15 credits from the Humanities/Fine Arts/English and Social Science with at least five (5) credits taken from each and from three separate areas.

Humanities/Fine Arts/English (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English Distribution list. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses may be applied to the Humanities/Fine Arts/English distribution.

2 A - Humanities/Fine Arts/English Credits: 5

Social Science (5 credits)

A minimum 5 credits from the Social Science Distribution:

2 B - Social Science Credits: 5

Humanities/Fine Arts/English or Social Science (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English or Social Science distributions.

2 C - Humanities/Fine Arts/English or Social Science Credits: 5

3. Specific Requirements (50 credits)

Class selection depends on the student's area of study. **It is strongly suggested that students beginning their science sequence complete it at the originating college.** After consultation with a science advisor, a total of 50 credits are required from the following:

A. Chemistry (18 credits)

(CHEM& 261, CHEM& 262, **and** CHEM& 263 may be substituted with prior consultation with a Science/Engineering advisor.)

CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
CHEM& 163 - General Chemistry with Lab III Credits: 6

B. Select 15-18 credits

To be taken in sequence order from the following:

BIOL& 211 - Majors Cellular Credits: 6
BIOL& 212 - Majors Animal Credits: 6
BIOL& 213 - Majors Plant Credits: 6

or

PHYS& 114 - General Physics I with Lab Credits: 5
PHYS& 115 - General Physics II with Lab Credits: 5
PHYS& 116 - General Physics III with Lab Credits: 5

or

PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5
PHYS& 223 - Engineering Physics III with Lab Credits: 5

C. Natural Science

Select 14-17 credits from the following after consultation with a science advisor.

AP 210 - Cadaver Anatomy Credits: 1
BIOL& 160 - General Biology with Lab Credits: 5
BIOL& 211 - Majors Cellular Credits: 6
BIOL& 212 - Majors Animal Credits: 6
BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5
BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5
BIOL& 260 - Microbiology Credits: 5
CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
CHEM& 163 - General Chemistry with Lab III Credits: 6
CHEM& 261 - Organic Chemistry with Lab I Credits: 6
CHEM& 262 - Organic Chemistry with Lab II Credits: 6
CHEM& 263 - Organic Chemistry with Lab III Credits: 6
ENGR 106 - Introduction to Engineering Problems Credits: 3
ENGR& 214 - Statics Credits: 5
ENGR& 224 - Thermodynamics Credits: 5
ENV S 204 - Natural Science and the Environment Credits: 5
GEOL& 101 - Introduction to Physical Geology Credits: 5

GEOL 107 - Fossils and Ancient Earth Credits: 5
GEOL 117 - Natural Disasters with Lab Credits: 5
GEOL 206 - Earth History Credits: 5
MATH& 141 - PreCalculus I Credits: 5
MATH& 142 - PreCalculus II Credits: 5
MATH& 163 - Calculus III Credits: 5
MATH 238 - Differential Equations Credits: 5
MATH 240 - Topics in Linear Algebra Credits: 5
MATH& 254 - Calculus IV Credits: 5
MATH 256 - Statistics for Business and Social Science Credits: 5
OCEA& 101 - Introduction to Oceanography Credits: 5
PHIL& 120 - Symbolic Logic Credits: 5
PHYS& 114 - General Physics I with Lab Credits: 5
PHYS& 115 - General Physics II with Lab Credits: 5
PHYS& 116 - General Physics III with Lab Credits: 5
PHYS 154 - Physics for the Life Sciences 1 Credits: 5
PHYS 155 - Physics for the Life Sciences 2 Credits: 5
PHYS 156 - Physics for the Life Sciences 3 Credits: 5
PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5
PHYS& 223 - Engineering Physics III with Lab Credits: 5
PHYS 225 - Modern Physics Credits: 3
PHYS 229 - Electric and Magnetic Fields Credits: 2

4. Electives (4-6 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and no more than 3 credits Physical Education may be taken as electives.

ENGL 126 - Writing: Humanities Credits: 5

or

ENGL 127 - Writing: Social Science Credits: 5

or

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Science Transfer Track 2-Engineering, Physics, Atmospheric Science, AST-2

Minimum of 90 Credits

The Associate in Science Transfer degree Track 2 in Engineering, Physics and Atmospheric Science encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 90-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of **2.0** and earn a minimum of 24 credits at Green River College.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/physics/index.html>

1. Basic Skills (20 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Science-Transfer Track 2 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

B. Quantitative Skills/Symbolic Reasoning: (15 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5 **and**

MATH& 163 - Calculus III Credits: 5

or

MATH 256 - Statistics for Business and Social Science Credits: 5

Humanities & Social Science (15 credits)

Select 15 credits from the Humanities/Fine Arts/English and Social Science with at least five (5) credits taken from each and from three separate areas.

Humanities/Fine Arts/English (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English Distribution list. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses may be applied to the Humanities/Fine Arts/English distribution.

2 A - Humanities/Fine Arts/English Credits: 5

Social Science (5 credits)

A minimum 5 credits from the Social Science Distribution:

2 B - Social Science Credits: 5

Humanities/Fine Arts/English or Social Science (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English or Social Science distributions.

2 C - Humanities/Fine Arts/English or Social Science Credits: 5

3. Specific Requirements (50 credits)

Class selection depends on the student's area of study. **It is strongly suggested that students beginning their science sequence complete it at the originating college.** After consultation with a science advisor, a total of 50 credits are required from the following:

A. Physics (15 credits)

(PHYS& 114, PHYS& 115, **and** PHYS& 116 may be substituted with prior consultation with a Science/ Engineering advisor.)

PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5
PHYS& 223 - Engineering Physics III with Lab Credits: 5

B. Select 6 credits from the following:

CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
CHEM& 163 - General Chemistry with Lab III Credits: 6
CHEM& 261 - Organic Chemistry with Lab I Credits: 6
CHEM& 262 - Organic Chemistry with Lab II Credits: 6
CHEM& 263 - Organic Chemistry with Lab III Credits: 6

C. Natural Science

Select 29 credits from the following after consultation with a Science/Engineering advisor.

AP 210 - Cadaver Anatomy Credits: 1
BIOL& 160 - General Biology with Lab Credits: 5
BIOL& 211 - Majors Cellular Credits: 6
BIOL& 212 - Majors Animal Credits: 6
BIOL& 213 - Majors Plant Credits: 6
BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5
BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5
BIOL& 260 - Microbiology Credits: 5
CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
CHEM& 163 - General Chemistry with Lab III Credits: 6
CHEM& 261 - Organic Chemistry with Lab I Credits: 6
CHEM& 262 - Organic Chemistry with Lab II Credits: 6
CHEM& 263 - Organic Chemistry with Lab III Credits: 6
CS 121 - Computer Programming 1 Credits: 5
CS 122 - Computer Programming 2 - Java Objects Credits: 5
CS 123 - Computer Programming 3 - Java Data Structures Credits: 5
CS& 131 - Computer Science I C++ Credits: 5
CS 132 - C++ Data Structures Credits: 5
CS 170 - Linear Algebra for Data Analysis Credits: 5
ENGR 106 - Introduction to Engineering Problems Credits: 3
ENGR 140 - Engineering Materials Credits: 5
ENGR& 214 - Statics Credits: 5
ENGR& 215 - Dynamics Credits: 5

ENGR& 224 - Thermodynamics Credits: 5
 ENGR 250 - Numerical Methods Using MATLAB Credits: 5
 ENGR 271 - Digital Circuits and Systems Credits: 5
 ENV S 204 - Natural Science and the Environment Credits: 5
 GEOL& 101 - Introduction to Physical Geology Credits: 5
 GEOL 206 - Earth History Credits: 5
 MATH& 141 - PreCalculus I Credits: 5
 MATH& 142 - PreCalculus II Credits: 5
 MATH& 163 - Calculus III Credits: 5
 MATH 238 - Differential Equations Credits: 5
 MATH 240 - Topics in Linear Algebra Credits: 5
 MATH& 254 - Calculus IV Credits: 5
 MATH 256 - Statistics for Business and Social Science Credits: 5
 PHIL& 120 - Symbolic Logic Credits: 5
 PHYS& 114 - General Physics I with Lab Credits: 5
 PHYS& 115 - General Physics II with Lab Credits: 5
 PHYS& 116 - General Physics III with Lab Credits: 5
 PHYS 154 - Physics for the Life Sciences 1 Credits: 5
 PHYS 155 - Physics for the Life Sciences 2 Credits: 5
 PHYS 156 - Physics for the Life Sciences 3 Credits: 5
 PHYS& 221 - Engineering Physics I with Lab Credits: 5
 PHYS& 222 - Engineering Physics II with Lab Credits: 5
 PHYS& 223 - Engineering Physics III with Lab Credits: 5
 PHYS 225 - Modern Physics Credits: 3
 PHYS 229 - Electric and Magnetic Fields Credits: 2

4. Electives (5 credits)

Choose your elective after consultation with a Science/Engineering advisor. All courses numbered 100 or higher and no more than 3 credits Physical Education may be taken as electives. The following is recommended for international students ENGL& 235 - Introduction to Technical Communication.

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Science Transfer Track 2/MRP- Bioengineering and Chemical Engineering, AST-2/MRP

Minimum of 102 Credits

The Associate in Science Transfer-Track 2/Major Related Program in Bioengineering and Chemical Engineering degree encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 102-103 quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of 2.0 and earn a minimum of 24 credits at Green River College. Students should include some 200-level classes in their course of study.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/engineering/index.html>

1. Basic Skills (30 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Science-Transfer Track 2 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

B. Quantitative Skills/ Symbolic Reasoning (25 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

MATH& 163 - Calculus III Credits: 5

MATH 238 - Differential Equations Credits: 5

MATH& 254 - Calculus IV Credits: 5

Humanities & Social Science (15 credits)

Select 15 credits from the Humanities/Fine Arts/English and Social Science with at least five (5) credits taken from each and from three separate areas.

Humanities/Fine Arts/English (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English Distribution list. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses may be applied to the Humanities/Fine Arts/English distribution.

2 A - Humanities/Fine Arts/English Credits: 5

Social Science (5 credits)

A minimum 5 credits from the Social Science Distribution:

2 B - Social Science Credits: 5

Humanities/Fine Arts/English or Social Science (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English or Social Science distributions.

2 C - Humanities/Fine Arts/English or Social Science Credits: 5

3. Specific Requirements (57 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

It is strongly suggested that students take ENGR 100 as early in their studies as possible to maximize its effect on the rest of the degree.

A. Physics (15 credits)

PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5
PHYS& 223 - Engineering Physics III with Lab Credits: 5

B. Chemistry (24 credits)

CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
CHEM& 163 - General Chemistry with Lab III Credits: 6
CHEM& 261 - Organic Chemistry with Lab I Credits: 6

C. Biology or Chemistry (6 credits)

BIOL& 211 - Majors Cellular Credits: 6
or
CHEM& 262 - Organic Chemistry with Lab II Credits: 6

D. Engineering Planning (2 credits)

ENGR 100 - Careers in Engineering Credits: 2

E. Select at least 10 credits from the following list

Select 2 courses from the following after consultation with a Science/Engineering advisor:

BIOL& 212 - Majors Animal Credits: 6
BIOL& 213 - Majors Plant Credits: 6
CHEM& 263 - Organic Chemistry with Lab III Credits: 6
CS 121 - Computer Programming 1 Credits: 5
CS 122 - Computer Programming 2 - Java Objects Credits: 5
CS& 131 - Computer Science I C++ Credits: 5
ENGR& 204 - Electrical Circuits Credits: 5
ENGR& 224 - Thermodynamics Credits: 5
ENGR 250 - Numerical Methods Using MATLAB Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL& 235 - Introduction to Technical Communication Credits: 5
MATH 240 - Topics in Linear Algebra Credits: 5

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and

admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Associate in Science Transfer Track 2/MRP-Civil and Mechanical Engineering, AST-2/MRP

Minimum of 107 Credits

The Associate in Science-Transfer Track 2/Major Related Program in Civil and Mechanical Engineering degree also includes Aeronautical, Environmental and Industrial Engineering which encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 109-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of **2.0** and earn a minimum of 24 credits at Green River College. Students should include some 200-level classes in their course of study.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/engineering/index.html>

1. Basic Skills (35 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Science-Transfer Option 2 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

B. Quantitative Skills/Symbolic Reasoning (30 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

MATH& 163 - Calculus III Credits: 5

MATH 238 - Differential Equations Credits: 5

MATH 240 - Topics in Linear Algebra Credits: 5

MATH& 254 - Calculus IV Credits: 5

Humanities & Social Science (15 credits)

Select 15 credits from the Humanities/Fine Arts/English and Social Science with at least five (5) credits taken from each and from three separate areas.

Humanities/Fine Arts/English (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English Distribution list. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses may be applied to the Humanities/Fine Arts/English distribution.

2 A - Humanities/Fine Arts/English Credits: 5

Social Science (5 credits)

A minimum 5 credits from the Social Science Distribution:

2 B - Social Science Credits: 5

Humanities/Fine Arts/English or Social Science (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English or Social Science distributions.

2 C - Humanities/Fine Arts/English or Social Science Credits: 5

3. Specific Requirements (55 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

We also strongly taking the ENGR 100 course as early as possible to prepare for the rest of the Engineering track.

A. Physics (15 credits)

PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5
PHYS& 223 - Engineering Physics III with Lab Credits: 5

B. Chemistry (12 credits)

CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6

C. Engineering (20 credits)

ENGR 100 - Careers in Engineering Credits: 2
ENGR 106 - Introduction to Engineering Problems Credits: 3
ENGR& 214 - Statics Credits: 5
ENGR& 215 - Dynamics Credits: 5
ENGR& 225 - Mechanics of Materials Credits: 5

D. Select 2 courses from the following

Select 2 courses from the following after consultation with a Science/Engineering advisor:

CS 121 - Computer Programming 1 Credits: 5
CS 122 - Computer Programming 2 - Java Objects Credits: 5
CS& 131 - Computer Science I C++ Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL& 235 - Introduction to Technical Communication Credits: 5
ENGR& 104 - Introduction to Design Credits: 5
ENGR& 114 - Engineering Graphics Credits: 5
ENGR 140 - Engineering Materials Credits: 5
ENGR& 204 - Electrical Circuits Credits: 5
ENGR& 224 - Thermodynamics Credits: 5
ENGR 250 - Numerical Methods Using MATLAB Credits: 5

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and

admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Last Revised

7/1/2024

Associate in Science Transfer Track 2/MRP-Computer and Electrical Engineering, AST-2/MRP

Minimum of 98 Credits

The Associate in Science Transfer-Track 2 Major Related Program in Computer and Electrical Engineering degree encompasses some general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

See Articulation Agreements for more details about the colleges who accept this degree.

To earn this degree, students must complete 98-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of **2.0** and earn a minimum of 24 credits at Green River College. Students should include some 200-level classes in their course of study.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for which they plan to transfer.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/engineering/index.html>

1. Basic Skills (35 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Science-Transfer Track 2 degree requirements.

A. Communication Skill (5 credits)

Courses in this area support the written communication learning outcome.

ENGL& 101 - English Composition I Credits: 5

B. Quantitative Skills/Symbolic Reasoning: (30 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

MATH& 163 - Calculus III Credits: 5

MATH 238 - Differential Equations Credits: 5

MATH 240 - Topics in Linear Algebra Credits: 5

MATH& 254 - Calculus IV Credits: 5

Humanities & Social Science (15 credits)

Select 15 credits from the Humanities/Fine Arts/English and Social Science with at least five (5) credits taken from each and from three separate areas.

Humanities/Fine Arts/English (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English Distribution list. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses may be applied to the Humanities/Fine Arts/English distribution.

2 A - Humanities/Fine Arts/English Credits: 5

Social Science (5 credits)

A minimum 5 credits from the Social Science Distribution:

2 B - Social Science Credits: 5

Humanities/Fine Arts/English or Social Science (5 credits)

A minimum of 5 credits from the Humanities/Fine Arts/English or Social Science distributions.

2 C - Humanities/Fine Arts/English or Social Science Credits: 5

3. Specific Requirements (48 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

It is suggested that students take ENGR 100 as early in their studies as possible to maximize its effect on the rest of the degree.

A. Physics (15 credits)

PHYS& 221 - Engineering Physics I with Lab Credits: 5

PHYS& 222 - Engineering Physics II with Lab Credits: 5

PHYS& 223 - Engineering Physics III with Lab Credits: 5

B. Chemistry (6 credits)

CHEM& 161 - General Chemistry with Lab I Credits: 6

C. Computer Programming (10 credits)

Choose one of the following Programming Groups:

Group 1

CS 122 - Computer Programming 2 - Java Objects Credits: 5

CS 123 - Computer Programming 3 - Java Data Structures Credits: 5

Group 2

CS& 131 - Computer Science I C++ Credits: 5

CS 132 - C++ Data Structures Credits: 5

D. Engineering Planning (2 credits)

ENGR 100 - Careers in Engineering Credits: 2

E. Electrical Circuits (5 credits)

ENGR& 204 - Electrical Circuits Credits: 5

F. Math, Science & Engr Elective (Select 2 courses)

Select 2 courses from the following after consultation with a Science/Engineering advisor:

ENGR& 104 - Introduction to Design Credits: 5

ENGR& 214 - Statics Credits: 5
ENGR& 224 - Thermodynamics Credits: 5
ENGR 250 - Numerical Methods Using MATLAB Credits: 5
ENGR 271 - Digital Circuits and Systems Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL& 235 - Introduction to Technical Communication Credits: 5

Transferability of Credits

Green River College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies, and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Bachelors of Applied Science Degree

Accounting, BAS

180 credits

The Bachelor of Applied Science (BAS) in Accounting program is designed to prepare students for employment in a variety of accounting and auditing positions, such as: accountant, cost accountant, tax accountant, managerial accountant, forensic accountant, auditor, financial auditor, internal auditor, and management advisory services consultant.

The BAS in Accounting program enables an individual to combine their career and technical or academic transfer associate degree with upper-division credits, resulting in a unique applied bachelor's degree. This program provides instruction and training on topics and skills needed by today's employers, including intermediate accounting, information systems and controls, cost accounting, taxation, and finance, with emphasis on business analytics. The program culminates in an internship or capstone experience. This program includes the breadth and academic rigor required for students who wish to continue their studies at the master's level.

In addition to being prepared for employment in the accounting field and additional studies, graduates of this program may be eligible to take the CPA (Certified Public Accountant) Exam and/or CMA (Certified Management Accountant) Exam in Washington State. In addition to passing the CPA/CMA Exam, additional college credits and prescribed work experience are required for licensure/certification. For information on becoming a CPA, visit the Washington State Board of Accountancy:

<https://acb.wa.gov/>. For information on becoming a CMA, visit the IMA website: <https://www.imanet.org/>

Contacts: Nicole Wetter, CPA, Faculty Program Director, nicole.wetter@greenriver.edu

Program Website: Accounting |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/accounting/index.html>

Entry Requirements

The entry requirements for the BAS in Accounting program provide access to students from both career and technical programs and academic transfer programs. These requirements ensure that prospective students are prepared for success in the program. Entry requirements are:

Possess an associate degree (AAA, AAS, AAS-T, AA, AB, or AS) or higher from a regionally accredited college or university with a cumulative GPA of 2.5 or higher. Ideal associate degrees include:

AAA, AAS, or AAS-T in Accounting (Accounting, AAA)
AAA, AAS, or AAS-T in Business, Business Management, or related field
(Business Management, AAA)
Associate in Business, AB-DTA/MRP

Completion of the following courses prior to beginning the program:

ACCT& 201 (OR ACCT 110 AND ACCT 111) with a grade of 2.0 or higher
ACCT& 202 (OR ACCT 113) with a grade of 2.0 or higher
ACCT& 203 with a grade of 2.0 or higher
ENGL& 101; OR ENGL 126; OR ENGL 127; OR ENGL 128; OR ENGL&
235 with a grade of 2.0 or higher
MATH 97 OR any MATH class numbered 100 or higher with a grade of 2.0 or
higher; OR appropriate math placement for MATH& 146

Note: Students who may not meet all the entry requirements are encouraged to contact the Program Manager or Program Director to discuss and, as needed, develop an educational plan to prepare for entry into the program.

Students must submit an application and be accepted into the program prior to enrolling in any 300- or 400-level course.

Graduation Requirements

Completion of an associate degree or higher from a regionally accredited college or university is required to graduate from this program.
A cumulative GPA of 2.5 or higher.

Program Outcomes

Students who successfully complete this program will be able to:

- Apply the accounting concepts, principles, and standards of Generally Accepted Accounting Principles (GAAP) to the measurement and reporting of economic transactions.
- Analyze data, using common data analytics tools, to support organizational decision making.
- Analyze and apply information systems concepts to the accounting process.
- Analyze, interpret, and audit financial statements and other quantitative and qualitative accounting and finance data.
- Use cost management systems and techniques, including budgeting and variance analysis to inform organizational decision making.
- Apply U.S. federal income tax rules, prepare federal income tax returns for individuals and businesses, and explain tax implications of business decisions.
- Apply best practices to foster diverse, equitable, and inclusive teams and organizations.

Drawing on experience gained throughout the program, demonstrate knowledge, technical skills, communication and interpersonal skills, and a professional attitude in a capstone internship or project.

Demonstrate the ability to pursue next steps for career and professional development in the accounting and auditing industry.

General Education Requirements (50 credits)

Communication Skills (10 credits)

ENGL& 101 - English Composition I Credits: 5

And choose one of the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

Choose one of the following:

MATH& 146 - Introduction to Statistics Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

Humanities (5 credits)

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Social Science (5 credits)

Choose one of the following:

BUS& 101 - Introduction to Business Credits: 5

BUS 181 - Introduction to International Business Credits: 5

Or any 5 credits from the Social Science Distribution list.

Natural Science (5 credits)

Five credits Natural Science lab course in List A from distribution course list.

N 1 - Natural Science List A (Lab) Credits: 5

Additional General Education (20 credits)

ACCT& 203 - Principles of Accounting III Credits: 5

BUS& 201 - Business Law and the Regulation of Business Credits: 5

or

POLS& 200 - Introduction to Law: United States Credits: 5

ECON& 201 - Micro Economics Credits: 5

or

ECON& 202 - Macro Economics Credits: 5

ACCT& 201 - Principles of Accounting I Credits: 5

or

Any 5 credits from Humanities/Fine Arts/English Distribution, Social Science Distribution,
or Natural Science Distribution courses or Generally Transferrable course list.

Core Requirements (60 credits)

ACCT 301 - Intermediate Accounting I Credits: 5

ACCT 302 - Intermediate Accounting II Credits: 5

ACCT 303 - Intermediate Accounting III Credits: 5

ACCT 394 - Special Topics: Accounting Credits: 5

ACCT 410 - Cost Accounting Credits: 5

ACCT 411 - Auditing Credits: 5

ACCT 430 - Accounting Information Systems and Controls Credits: 5

ACCT 450 - Business Taxation Credits: 5

ACCT 480 - Business Analytics in Accounting Credits: 5

ACCT 490 - Accounting Internship/Capstone Credits: 5

MGMT 344 - Corporate Finance I Credits: 5

MGMT 400 - Applied Professional and Career Development Credits: 3

MGMT 403 - Diversity, Equity & Inclusion in the Workplace Credits: 2

Required Additional Credits (70 credits)

ACCT 110 - Practical Accounting 1 Credits: 5

and

ACCT 111 - Practical Accounting 2 Credits: 5

(only if ACCT& 201 is not taken) *program entry requirement*

ACCT& 202 - Principles of Accounting II Credits: 5

or
ACCT 113 - Practical Accounting 3 Credits: 5
program entry requirement

ACCT 212 - QuickBooks for Accounting Credits: 5
ACCT 218 - Individual Taxation Credits: 5

BTAC 162 - Introduction to Excel Credits: 5
or
BTAC 163 - Advanced Excel Credits: 5

SDEV 101 - Data Analytics Technologies Credits: 5

35-45 Additional credits from an associate degree; or elective credit from any course numbered 100 or higher not used to satisfy other requirements.

Last Revised:

7/1/2024

Aeronautical Science, BAS

180 Credits

Graduates of Green River College's BAS - Aeronautical Science program that are interested in becoming professional pilots may be eligible for the R-ATP (Restricted Airline Transport Pilot) certificate at 1,000 hours total time provided they have completed their Commercial and Instrument Flight training and certification from a contracted approved Part 141 flight school. A restricted privileges ATP (Airline Transport Pilot) certificate allows a pilot to serve as flight crewmember until he or she obtains the necessary 1,500 hours and the restriction is removed. VA Funding does not cover any Upper Division Flight Training Electives.

The Bachelor of Applied Science program in Aeronautical Science is also designed for students pursuing non-flight careers in the field of aviation, such as Air Traffic Control, Aviation Management, and Airline Dispatch, or any other non-flight related aviation career. Successful graduates of the program will have the knowledge and skills not only in their specific area of aviation interest but also develop competencies in aviation from business and management perspectives across all fields.

Entry Requirements

To enter this program students must already have an associate's degree or higher, in aviation, from a regionally accredited institution with at least a 2.0 cumulative GPA. On a case-by-case basis, with program director approval, students may start the BAS -

Aeronautical Science program when they are within 20 credits of completing their associate's degree. Students in this situation must complete their associate's degree within their first year as a BAS student.

Students who have completed some college coursework but do not have an associate's degree are encouraged to meet with the Program Manager to develop an academic plan and prepare for entry to the program.

Program Website: <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Contact: George Comollo - gcomollo@greenriver.edu - 253-931-6577

Graduation Requirement

Completion of an associate degree or higher from a regionally accredited college or university.

Program Outcomes

Students who successfully complete this program will be able to:

- Prepare for a position in the aviation industry.

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

General Education Requirements (60 credits)

Communication Skills (15 credits)

- ENGL& 101 - English Composition I Credits: 5

- ENGL 335 - Advanced Technical Writing Credits: 5

Choose one from the following:

- ENGL 126 - Writing: Humanities Credits: 5

- ENGL 127 - Writing: Social Science Credits: 5

- ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

- ENGL& 235 - Introduction to Technical Communication Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

Any five credit college level (MATH) course. Credits: 5

Humanities/Fine Arts/English (10 credits)

Ten credits of Humanities/Fine Arts/English distribution courses. Credits: 10

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

Social Sciences (10 credits)

Ten credits of Social Science distribution courses. Credits: 10

S 1 - Social Science Credits: 5

S 2 - Social Science Credits: 5

Natural Sciences (10 credits)

Five credits of Natural Science distribution courses with a lab. Credits: 5

Five credits of Natural Science distribution courses from List A or List B. Credits: 5

N 1 - Natural Science List A (Lab) Credits: 5

N 3 - Natural Science List A or List B Credits: 5

Additional General Education (10 credits)

Ten credits of courses from the Humanities, Social Science, and Natural Science distribution lists. Credits: 10

Core Requirements (45 credits)

AVIA 360 - General Operations Aviation Management Credits: 5

AVIA 370 - Aviation Safety Management System Credits: 5

AVIA 375 - ICAO Operations Standards Credits: 5

AVIA 380 - Aviation Career Development Credits: 5

AVIA 385 - Airport Planning and Operations Management Credits: 5

AVIA 400 - Airline Operations Management Credits: 5

AVIA 410 - Aviation and Aircrew Resource Management Credits: 5

AVIA 431 - Economic Impact of Global Aviation Credits: 5

AVIA 490 - Capstone: Aviation Research Projects Credits: 5

Aviation Electives (10 credits)

Any 300 or 400 level aviation course work. Students must complete a minimum of 60 credits at the 300-400 level.

Required Additional Credits (65 credits)

The BAS requires 65 credits of 100 level or higher courses from an appropriate Associate Degree to total 180 credits.

Last Revised

7/1/2023

Applied Management, BAS

180 Credits

The BAS degree in Applied Management program is designed to prepare students for employment in a variety of business positions, including management analyst, general and operations manager, marketing manager, market research analyst, sales manager, and human resource specialist.

Entry Requirements

The entry requirements for the BAS in Applied Management program provide access to students from both academic transfer and career and technical programs. These entry requirements also ensure that prospective students are prepared for success once they enter the program. Entry requirements are:

Possess an AAA, AAS or AAS-T degree with a cumulative GPA of 2.5 or better OR
an AA or AS degree (when applicable) with a cumulative GPA of 2.5 or better
MATH 97 with a 2.5 or above or any 100-level math course with a 2.0 or above.
Completion of ENGL& 101 or ENGL 126 or 127 or 128, or ENGL& 235 (5 credits with
a grade of 2.5 or better)

NOTE: Students who may not meet the stated entry requirements should contact the Program Manager or Program Director to learn about alternative pathways for entry into the BAS Applied Management Program.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Bachelor's in Applied Management | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/applied-management/index.html>

Graduation Requirement

Completion of an associate degree or higher from a regionally accredited college or university.

Program Outcomes

Students who successfully complete this program will be able to:

Formulate effective business strategies by conducting thorough analysis of a given market and business environment.

Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.

Analyze financial data to explain organizational performance and identify business opportunities in a given market.

Use organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.

Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.

Demonstrate professional and persuasive communication to internal and external stakeholders, both orally and in writing.

Construct operations and project plans that efficiently and effectively leverage organizational resources.

Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

General Education Requirements (60 credits)

Communication Skills (10 credits)

ENGL& 101 - English Composition I Credits: 5

Choose one from the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

Any college-level math course, the following are recommended:

MATH& 141 - PreCalculus I Credits: 5

MATH& 151 - Calculus I Credits: 5

MATH 147 - Finite Mathematics-Business and Social Science Credits: 5

Humanities/Fine Arts/English (10 credits)

Five credits from the list of Humanities/Fine Arts/English Distribution courses.

H 1 - Humanities/Fine Arts/English Credits: 5

Choose one from the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Social Sciences (10 credits)

BUS& 101 - Introduction to Business Credits: 5

Choose one from the following:

BUS 181 - Introduction to International Business Credits: 5

BUS& 201 - Business Law and the Regulation of Business Credits: 5

Five credits from the list of Social Science Distribution courses.

Natural Sciences (10 credits)

Five credits lab science from Natural Science List A distribution.

N 1 - Natural Science List A (Lab) Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

or

MATH& 146 - Introduction to Statistics Credits: 5

Additional General Education (10 credits)

Ten credits from Humanities/Fine Arts/English, Social Science, or Natural Science distribution course lists.

Core Requirements (80 credits)

ACCT 110 - Practical Accounting 1 Credits: 5

or

ACCT& 201 - Principles of Accounting I Credits: 5

BUS 121 - Marketing Fundamentals Credits: 5

BUS 258 - Principles of Management and Supervision Credits: 5

MGMT 300 - Organizational Leadership Credits: 5

MGMT 320 - Human Resources Management Credits: 5

MGMT 325 - Human Resources Operations Credits: 5
MGMT 340 - Business Project Management Credits: 5
MGMT 344 - Corporate Finance I Credits: 5
MGMT 345 - Corporate Finance II Credits: 5
MGMT 360 - Business Development and Sales Management Credits: 5
MGMT 361 - Negotiations Credits: 3
MGMT 385 - Business Operations Management Credits: 5
MGMT 395 - Marketing Management Credits: 5
MGMT 400 - Applied Professional and Career Development Credits: 3
MGMT 403 - Diversity, Equity & Inclusion in the Workplace Credits: 2
MGMT 405 - Corporate Social Responsibility Credits: 2
MGMT 420 - Business Strategy Credits: 5
MGMT 425 - Business Analysis Credits: 5

Additional credits from an Associate's Degree or equivalent credits in business-related field (45 credits)

Notes

Please note that Math& 146 cannot be used to satisfy both the QSR and the Natural Science requirements -- at least two different college-level math courses must be completed to earn this degree.

Last Revised

7/1/2023

Bachelor of Science in Nursing

195 Credits

The Bachelor of Science in Nursing (BSN) is a 90-credit LPN to BSN program in which students must have current, unencumbered licensure as a Licensed Practical Nurse in the state of Washington. A minimum grade of 2.5 or higher is required in each nursing and supporting course, an overall GPA of 3.0 is required. Evidence of academic proficiency is established by completion of each of the following prerequisite requirements with a 2.5 grade or higher. Courses without an "&" may not be transferable.

Entry Requirements

The following courses are required prior to applying into the LPN to BSN program:

BIOL& 160 - General Biology with Lab 5 or BIOL& 211 - Majors Cellular 6

BIOL& 241 - Human Anatomy and Physiology 1 5

BIOL& 242 - Human Anatomy and Physiology 2 5

BIOL& 260 - Microbiology 5

CHEM& 121 - Introduction to Chemistry 5

ENGL& 101 - English Composition I 5

PSYC& 100 - General Psychology 5

PSYC& 200 - Lifespan Psychology 5

MATH& 146 - Introduction to Statistics or MATH 256 - Statistics for Business and Social Science 5

Communications Studies (5). Choose from CMST& 101, CMST& 210, CMST& 220, CMST& 230, or CMST 240

Humanities/Fine Arts/English Distribution (5) excluding CMST/CMST& and performance skills courses

NUTR& 101 - Nutrition 5

Note Regarding Open Enrollment

The student is expected to provide his/her own transportation to off-site clinical facilities that at times can be 50 or more miles away. In addition to paying for tuition and books, the student is required to purchase a uniform, pin, white shoes, watch, bandage scissors, and liability and health insurance. In order to attend clinical rotations, students must also successfully pass both a criminal and a Washington State Department of Social and Health Services background check. For additional information about a required nursing orientation and the application procedure, contact the Nursing Advisor, at ext. 2641.

Upon successful completion of the required credits, the student will earn a Bachelor of Science in Nursing degree. The graduate will be eligible to take the licensing examination and upon passing, practice as a Registered Nurse (RN). Application for RN licensure asks for information regarding legal convictions, and drug/alcohol and addiction conditions that may inhibit nursing practice. For additional questions on this issue, contact the Washington State Nursing Care Quality Assurance Commission. The program is fully accredited by the National League for Nursing Commission for Nursing Education Accreditation and Washington State Nursing Care Quality Assurance Commission and the Northwest Commission on Colleges and Universities.

Graduation Requirement

Completion of an associate degree or higher from a regionally accredited college or university.

Contacts: Nursing Advising; 253-833-9111, ext. 2641 or nursing@greenriver.edu or Adam Brown, ext. 6042, abrown@greenriver.edu

Information Session Sign up: www.greenriver.edu/info-sessions

Program Website: Nursing | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/nursing/index.html>

Program Outcomes:

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor-of-science prepared registered nurse, and life-long learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

Core Requirements:

First Quarter (15 credits)

- CMST 330 - Organizational Communication Credits: 5
- or
- CMST 339 - Intercultural Communication in Global Contexts Credits: 5
- ENGL 335 - Advanced Technical Writing Credits: 5
- BNURSE 314 - Pathophysiology, Pharmacology, and Physical Assessment for LPN to RN Credits: 5

Second Quarter (12 credits)

- BNURSE 312 - Registered Nurse's Role in Holistic Health Assessment & Care Credits: 3
- BNURSE 313 - Registered Nurse's Role in Holistic Health Assessment & Care Lab Credits: 2

BNURSE 317 - Registered Nurse's Role in Holistic Health Assessment & Care
Simulation Credits: 1

BNURSE 426 - Reflective Practice/Portfolio 1 Credits: 1

ANTH 335 - Advanced Cross-Cultural Medicine Credits: 5

or

PSYC 335 - Psychology of Aging Credits: 5

Third Quarter (12 credits)

BNURSE 412 - Nursing Ethics Credits: 3

BNURSE 422 - Academic Inquiry and Research in Nursing Science Credits: 3

BNURSE 424 - Evidence-Based Practice in Nursing Credits: 3

BNURSE 464 - Nursing Care Coordination & Interprofessional Collaboration Credits:
3

Fourth Quarter (9 credits)

BNURSE 332 - Applied Critical Thinking in Maternal-Child Nursing Credits: 5

BNURSE 333 - Maternal/Child Nursing Lab Credits: 1

BNURSE 335 - Maternal/Child Nursing Clinical Credits: 2

BNURSE 337 - Maternal/Child Nursing Simulation Credits: 1

Fifth Quarter (9 credits)

BNURSE 342 - Applied Critical Thinking in Advanced Med/Surg Nursing Credits: 5

BNURSE 343 - Advanced Med-Surg Nursing Lab Credits: 1

BNURSE 345 - Advanced Med-Surg Nursing Clinical Credits: 2

BNURSE 347 - Advanced Med-Surg Nursing Simulation Credits: 1

Sixth Quarter (12 credits)

BNURSE 452 - Population Health Nursing Practice Credits: 5

BNURSE 454 - Nursing Leadership & Healthcare Policy Credits: 5

BNURSE 455 - Population Health Nursing Clinical Credits: 2

Seventh Quarter (12 credits)

BNURSE 362 - Applied Critical Thinking in Mental Health Nursing Credits: 4

BNURSE 365 - Mental Health Nursing Clinical Credits: 1

BNURSE 367 - Mental Health Nursing Simulation Credits: 1

BNURSE 462 - Nursing Informatics & Telehealth Credits: 3

BNURSE 428 - Patient Safety & Quality Improvement Credits: 3

Eighth Quarter (9 credits)

BNURSE 472 - Transition to Nursing Practice - NCLEX Prep Credits: 4

BNURSE 475 - Nursing Capstone Clinical Credits: 4

BNURSE 476 - Reflective Practice/Portfolio 2 Credits: 1

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication (10 credits)

ENGL& 101 - English Composition I Credits: 5

ENGL 335 - Advanced Technical Writing Credits: 5

Oral Communications (5 credits)

Choose one of the following:

CMST 330 - Organizational Communication Credits: 5

CMST 339 - Intercultural Communication in Global Contexts Credits: 5

Computation (5 credits)

Choose one of the following:

MATH& 146 - Introduction to Statistics Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

Human Relations (4 credits)

BNURSE 475 - Nursing Capstone Clinical Credits: 4

Additional credits from Associate's Degree

BIOL& 160 - General Biology with Lab Credits: 5

or

BIOL& 211 - Majors Cellular Credits: 6

BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5

BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5

BIOL& 260 - Microbiology Credits: 5

CHEM& 121 - Introduction to Chemistry Credits: 5

NUTR& 101 - Nutrition Credits: 5

PSYC& 100 - General Psychology Credits: 5
PSYC& 200 - Lifespan Psychology Credits: 5

Humanities/Fine Arts/English (5 credits)

Excluding CMST/CMST& and performance skills courses.

H 1 - Humanities/Fine Arts/English Credits: 5

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5

45 credits of LPN course work

Electives

BNURSE 394 - Special Topics: Nursing Credits: 3

Notes:

University of Washington courses (BIOL 118-5 credits, BIOL 119-1 credit and NURS 301-4 credits) meet the BIOL& 241 and BIOL& 242 BSN degree requirements at GRC.

Last Revised:

7/1/2025

Early Childhood Education: Infant and Child Mental Health, BAS

180 Credits

Green River College's Bachelor of Applied Science (BAS) in Early Childhood Education: Infant and Child Mental Health (ICMH) will provide graduates with skills and abilities to examine the foundations of development and the importance of relationships to the social and emotional well-being of infants, toddlers, and young children as well as quality relationships and environments that foster growth in all developmental domains-social and emotional, cognitive/linguistic, and physical. It is designed to provide relevant training to those working with vulnerable families and children including early care and

education providers, home visitors, child health providers, early interventionists, and other related fields. The specialized training in infant/child mental health will enable these individuals to work better with children and families, responding to the emerging needs of the diverse populations that they serve.

The BAS in Early Childhood-ICMH enables individuals with applied associate degrees in Early Childhood Education to combine their lower-division technical or transfer preparation courses with upper-division credits. The result is a unique, specialized, BAS degree. The BAS in Early Childhood-ICMH also combines the breadth and academic rigor required for students who wish to continue their studies at the Master's level.

Entry Requirements

The entry requirements for the BAS in Infant Child Mental Health provide access to students from both academic transfer and career and technical programs. These entry requirements also ensure that prospective students are prepared for success once they enter the program. Entry requirements are:

- AAA, AAS or AAS-T degree with a cumulative GPA of 2.5 or better

- AA, AS degree or higher with cumulative GPA of 2.5 or better

- Completion of 30 credits in ECE with no single class lower than 2.0 to include:

 - EDUC& 115 - Child Development (5 credits)

 - EDUC& 130 - Guiding Behavior (3 credits)

 - EDUC& 204 - Inclusive Education

 - Diversity Course (3-5 credits)

 - 5 credits in practicum/field experience or permission of program director.

Completion of these courses will provide the foundation necessary for seamless entry into the BAS in Early Childhood-ICMH and will be included in the 180-credit requirement.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website:

Early Childhood Education | <https://www.greenriver.edu/students/academics/areas-of-interest/program-maps/education-law-social-science/early-childhood-education/>

Graduation Requirement

Completion of an associate degree or higher from a regionally accredited college or university.

Program Outcomes

Students who successfully complete this program will be able to:

Apply relationship-based principles and strategies that support young children and families.

Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.

Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.

Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.

Advocate for families and young children through service, education, and leadership.

General Education Requirements (60 credits)

Communication Skills (10 credits)

ENGL& 101 - English Composition I Credits: 5

Choose one from the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

Math in which MATH 97 is a prerequisite

Humanities/Fine Arts/English (10 credits)

5 credits of Humanities/Fine Arts/English Distribution courses and one of the CMST courses below (no additional CMST other than 1 of the courses below).

H 1 - Humanities/Fine Arts/English Credits: 5

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5

Social Sciences (10 credits)

Social Science Distribution courses.

S 1 - Social Science Credits: 5
S 2 - Social Science Credits: 5

Natural Sciences (5 credits)

5 credits Natural Science **List A-Lab Science** for the Natural Science Distribution.

N 1 - Natural Science List A (Lab) Credits: 5

Additional General Education (15 credits)

15 credits of Humanities/Fine Arts/English Distribution, Social Science Distribution, or Natural Science Distribution courses.

2 A - Humanities/Fine Arts/English Credits: 5
2 B - Social Science Credits: 5
N 3 - Natural Science List A or List B Credits: 5

Core Requirements (60 credits)

Students must attain a grade of 2.0 or above in all core classes.

ECED 301 - Reflective Observation with Field Experience 1 Credits: 2
ECED 302 - Reflective Observation with Field Experience 2 Credits: 2
ECED 303 - Reflective Observation with Field Experience 3 Credits: 2
ECED 305 - Introduction to Infant/Child Mental Health Credits: 5
ECED 310 - Building Networks with Families and Community Credits: 3
ECED 315 - Foundations of Infant/Toddler Development Credits: 5
ECED 340 - Cultural Perspectives in Early Relational Health Credits: 3
ECED 350 - Theories, Relationships and Attachment Credits: 5
ECED 370 - Nurturing Social and Emotional Development in Young Children Credits:
5
ECED 401 - Reflective Consultation with Field Experience 1 Credits: 2
ECED 402 - Reflective Consultation with Field Experience 2 Credits: 2
ECED 405 - Trauma Exposed and Vulnerable Families/Child Credits: 5
ECED 410 - Foundations of Challenging Behavior: Emotional Credits: 3

ECED 415 - Early Identification and Intervention: Children Credits: 5
ECED 420 - Assessment and Application of ICMH Principles Credits: 3
ECED 425 - Leadership and Advocacy in Early Childhood Educ Credits: 3
ECED 445 - Reflective Seminar Credits: 2
ECED 450 - Capstone Project Credits: 3

Required Additional Credits (60 credits)

EDUC& 115 - Child Development Credits: 5
EDUC& 130 - Guiding Behavior Credits: 3
EDUC& 204 - Inclusive Education Credits: 5
Diversity Course
5 credits in practicum/field experience or permission of program director
Additional credits to reach 60 total credits from Associate's Degree or equivalent credits in ECED/EDUC field.

Last Revised

7/1/2025

Information Technology-Advanced Network Administration and Security Certificate

42 Credits

The IT Advanced Network Administration and Security Technician certificate program is designed to prepare students for employment in a variety of information technology (IT) positions, such as network and computer systems administrators, information security analysts, or computer support specialists.

This certificate provides students with the opportunity to acquire a deep technical foundation and competency in network administration and security. Students will learn how to plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on. Students will learn how to analyze the security vulnerabilities of an organization's IT resources, and how to plan and implement security measures and practices for those resources.

Students must attain a cumulative GPA of at 2.5 or higher.

Contact: IT Degrees extension x4600, itdegrees@greenriver.edu

Program Website:

Program Outcomes

Students who successfully complete this program will be able to

Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.

Analyze the security vulnerabilities of an organization's information technology resources.

Plan and implement security measures and practices for an organization's information technology resources.

Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.

Prepare for industry certification exams.

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/it-advanced-network-administration-security/>

Entry Requirements

To enter this program, students must have a technical associate's degree in an IT-related field from a regionally accredited institution, or two years IT work experience.

The following IT courses, or work experience in all of these areas, are strongly recommended before entering this program because they contain foundational knowledge upon which the upper-division IT courses is built:

For more information about this degree, please contact the Green River IT faculty at itdegrees@greenriver.edu

IT 114 - IT and Cybersecurity Essentials Credits: 5

IT 131 - Introduction to Networks Credits: 5

IT 160 - Windows Server Administration Credits: 5

IT 190 - Introduction to Linux Operating System Security Credits: 5

IT 210 - Routing and Switching Essentials Credits: 7

IT 224 - Windows Automation and Scripting Credits: 5

Core Requirements

IT 310 - Routing and Switching in the Enterprise Credits: 7

IT 335 - Network Security Foundations and Policies Credits: 5

IT 340 - Network Security and Firewalls Credits: 5

IT 360 - Security Operations, Analysis & Forensics Credits: 5

IT 370 - Cloud System Operations: Microsoft Azure Credits: 5

or

IT 470 - Cloud System Operations: Amazon Web Services Credits: 5

IT 385 - Advanced Scripting and Automation Credits: 5

IT 450 - Cybersecurity Analysis Credits: 5

IT 460 - Threat Analysis Credits: 5

Last Revised

7/1/2022

Information Technology-Cybersecurity and Networking, BAS

180 Credits

The BAS degree in Cybersecurity and Networking is designed to prepare students for employment in a variety of information technology (IT) positions, such as information security analysts, network and computer systems administrators or computer support specialists.

This degree provides students with the opportunity to acquire a deep technical foundation and competency in cybersecurity and networking. Students will learn how to analyze the security vulnerabilities of an organization's IT resources, and how to plan and implement security measures and practices for those resources. Students will learn how to plan, implement, administer, secure, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.

For more information about this degree, please contact the Green River IT faculty at itdegrees@greenriver.edu

Program Website:

Graduation Requirements

Completion of an associate degree or higher from a regionally accredited college or university.

Students must attain a cumulative GPA of at least 2.5 on all college-level courses.

Program Outcomes

Students who successfully complete this program will be able to:

Analyze the security vulnerabilities of an organization's information technology resources.

Plan and implement security measures and practices for an organization's information technology resources.

Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.

Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Entry Requirements

To enter this program, students must have an associate's degree from a regionally accredited institution. The following IT courses, or their equivalents, are strongly recommended before entering this program because they contain foundational knowledge upon which the upper-division IT courses build:

IT 102 - Scripting for Cybersecurity Credits: 5

IT 114 - IT and Cybersecurity Essentials Credits: 5

IT 131 - Introduction to Networks Credits: 5

IT 160 - Windows Server Administration Credits: 5

IT 190 - Introduction to Linux Operating System Security Credits: 5

IT 210 - Routing and Switching Essentials Credits: 7

IT 224 - Windows Automation and Scripting Credits: 5

IT 244 - CompTIA Cloud+ Certification Preparation Credits: 5

IT 201 - Database Fundamentals Credits: 5

or

SDEV 201 - SQL for Data Analytics Credits: 5

General Education Requirements

Communication Skills (10 credits)

ENGL& 101 and ENGL& 235 (or 1 course from ENGL 126, ENGL 127, ENGL 128)

ENGL& 101 - English Composition I Credits: 5

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

Or any two 5 credit college level English composition courses that meet a basic skills/communication or humanities/fine arts/English requirement.

Quantitative/Symbolic Reasoning Skills (5 credits)

Choose one of the following:

MATH& 107 - Math in Society Credits: 5

MATH 108 - Contemporary Math for Information Technology Credits: 5

or any 5-credit college level quantitative skills/symbolic reasoning course

Humanities (5 credits)

Five credits from the list of Humanities/Fine Arts/English Distribution courses.

H 1 - Humanities/Fine Arts/English Credits: 5

Social Science (5 credits)

BUS& 101 - Introduction to Business Credits: 5

Or any 5 credits from the Social Science Distribution course list.

Natural Science (5 credits)

Five credits Natural Science lab course in List A from distribution course list.

N 1 - Natural Science List A (Lab) Credits: 5

Additional General Education (20 credits)

Twenty credits from Humanities, Social Science, or Natural Science courses from distribution course list.

Core Requirements (62 credits)

IT 310 - Routing and Switching in the Enterprise Credits: 7
IT 335 - Network Security Foundations and Policies Credits: 5
IT 340 - Network Security and Firewalls Credits: 5
IT 360 - Security Operations, Analysis & Forensics Credits: 5
IT 365 - Cyber Data Analysis Using Kibana Credits: 5
IT 370 - Cloud System Operations: Microsoft Azure Credits: 5
IT 385 - Advanced Scripting and Automation Credits: 5
IT 450 - Cybersecurity Analysis Credits: 5
IT 460 - Threat Analysis Credits: 5
IT 470 - Cloud System Operations: Amazon Web Services Credits: 5
IT 480 - Cloud Security (CCSP) Credits: 5
IT 490 - Capstone: Cybersecurity and Networking Credits: 5

Information Technology Electives (48 credits)

Information Technology, Software Development or Computer Science courses
numbered 100 or higher

Electives (20 credits)

20 credits from any courses numbered 100 or higher

Notes

Last Revised

7/1/2025

Information Technology-Software Development, BAS

180 Credits

The Bachelor of Applied Science in Information Technology-Software Development is designed to prepare students for employment in a variety of software development positions, such as software developer, software tester, systems analyst, quality assurance analyst, mobile application developer, and web developer.

Students typically begin their studies in this program at third year (junior) standing, with credits earned during their first and second year applying towards the total 180 credits.

For more information about this degree, please visit www.greenriver.edu/software or contact a Software Development program advisor at software@greenriver.edu.

Program Website:

Data Analytics & Software Development |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/data-analytics-software-development/index.html>

Laptop Requirement

The BAS Software Development curriculum engages students in a hands-on learning environment to reflect modern software development practices, requiring students to collaborate in team-based workspaces with access to wireless technology. As a result, all incoming students are required to have a wireless laptop computer.

Graduation Requirements

Completion of an associate degree or higher from a regionally accredited college or university.

Students must attain a cumulative GPA of 2.5.

Program Outcomes

Students who successfully complete this program will be able to:

Develop stable, robust, secure, and efficient code following best practices in database design and software construction.

Communicate with technical and non-technical project stakeholders, and within project teams.

Apply Agile practices such as maintaining a product backlog, planning sprints, participating in sprint reviews and retrospectives.

Perform software quality assurance activities throughout the entire software lifecycle.

Write technical documentation to support software lifecycle activities.

Entry Requirements

Students must complete and submit an entry application and be accepted into the program before registering for any upper-division (300- and 400-level) courses.

New students are admitted twice a year in fall and winter. To inquire about admission to the program, visit www.greenriver.edu/software and complete the form to request information.

The admissions requirements are:

Completion of an associate degree or higher from a regionally accredited institution

A minimum cumulative grade point average (GPA) of 2.5

A grade of 2.5 or higher in an intermediate-level Java programming course (such as CS 123 - Computer Programming 3 - Java Data Structures or equivalent) or a waiver from the Program Director for entry into the program

Students who have completed some college coursework but do not have an associate degree or higher are encouraged to meet with academic advisor in the Software Development department to develop an educational plan to prepare for entry into the program.

The following courses or their equivalents are critical to your success in the program and contain foundational knowledge upon which upper-division courses in software development build:

SDEV 106 - Front-End Web Development Credits: 5

SDEV 117 - Web Programming with JavaScript Credits: 5

SDEV 201 - SQL for Data Analytics Credits: 5

or

IT 201 - Database Fundamentals Credits: 5

CS 121 - Computer Programming 1 Credits: 5

CS 122 - Computer Programming 2 - Java Objects Credits: 5

CS 123 - Computer Programming 3 - Java Data Structures Credits: 5

Requirements

General Education Requirements (60 credits)

Communication Skills (15 credits)

ENGL& 101 - English Composition I Credits: 5

ENGL 335 - Advanced Technical Writing Credits: 5

Choose one from the following:

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

QSR course - Five credits of Quantitative Skills/Symbolic Reasoning courses from AA-DTA degree (MATH& 141 - PreCalculus I, MATH 147 - Finite Mathematics-Business and Social Science, or higher recommended)

Humanities/Fine Arts/English (10 credits)

Ten credits from Humanities/Fine Arts/English

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

Highly Recommended

CMST& 240 - Intercultural Communication Credits: 5

Social Sciences (10 Credits)

Social Science courses - Ten credits of Social Science Distribution courses.

S 1 - Social Science Credits: 5

S 2 - Social Science Credits: 5

Natural Sciences (10 credits)

Lab Science course - Five credits of Natural Science Distribution lab-List A course and Five credits from Natural Science Distribution List A or List B courses.

N 1 - Natural Science List A (Lab) Credits: 5

N 3 - Natural Science List A or List B Credits: 5

General Education Electives (10 credits)

Distribution courses - Ten credits from Humanities/Fine Arts/English, Social Science, or Natural Science courses.

H 1 - Humanities/Fine Arts/English Credits: 5

S 3 - Social Science Credits: 5

N 3 - Natural Science List A or List B Credits: 5

Core Requirements (55 credits)

SDEV 301 - Systems Programming Credits: 5

SDEV 305 - Web Development Fundamentals Credits: 5

SDEV 328 - Server-Side Web Development Credits: 5

SDEV 333 - Data Structures Credits: 5

SDEV 334 - Algorithms Credits: 5

SDEV 355 - Full Stack Web Development Credits: 5

SDEV 372 - Cloud Application Deployment Credits: 5

SDEV 485 - Software Development Capstone 1 Credits: 5

SDEV 486 - Software Development Capstone 2 Credits: 5

SDEV 494 - Special Topics 1: Software Development Credits: 5

Special Topics must be repeated up to 10 credits with different topics.

Technical Electives (20 credits)

20 credits of any Computer Science (CS) courses, any Information Technology (IT) courses, any Software Development (SDEV) courses, or any of the following Mathematics courses:

MATH& 146 - Introduction to Statistics Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

Electives (45 credits)

45 credits from any courses at the 100-level or higher

Last Revised

7/1/2025

Marketing and Entrepreneurship, BAS

180 Credits

Green River College's Bachelor of Applied Science (BAS) in Marketing and Entrepreneurship will provide graduates with the skills and abilities to perform market research, product development, product management, digital marketing and e-commerce, promotions development and management, sales and business development, and project management. Students will also learn supporting business topics such as accounting, business planning, and operations. In addition, graduates of this degree program will be prepared to start and grow new ventures.

This degree is designed to prepare students for employment in a variety of marketing positions, including market research analyst, marketing specialist, business analyst, product manager, sales representative, and social media manager. The skills learned in this degree can be applied in organizations ranging from small startups to large, well-established businesses.

The BAS in Marketing and Entrepreneurship enables individuals with associate's degrees to combine their lower-division technical or transfer preparation with upper-division credits in business, marketing and entrepreneurship. The result is a practical, application-oriented, Bachelor's degree. The BAS in Marketing and Entrepreneurship also combines the breadth and academic rigor required for students who wish to continue their studies at the Master's level.

Entry Requirements

The entry requirements for the BAS in Marketing and Entrepreneurship program provide access to students from both academic transfer and career and technical programs. These entry requirements also ensure that prospective students are prepared for success once they enter the program. Entry requirements are:

AAA, AAS or AAS-T degree with a cumulative GPA of 2.5 or better or AA, AB, or AS degree with a cumulative GPA of 2.5 or better
Completion of MATH at the MATH 97 level with a grade of 2.5 or higher, OR
Completion of a Math 100-level (5 credits) or higher with a grade of 2.0 or better.
Completion of ENGL& 101 or ENGL 126 or 127 or 128 (5 credits with a grade of 2.5 or better)

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Marketing & Entrepreneurship | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/marketing-entrepreneurship/index.html>

Graduation Requirement

Completion of an associate degree or higher from a regionally accredited college or university.

Program Outcomes

Students who successfully complete this program will be able to:

- Apply entrepreneurship principles to better leverage organizational resources.
- Apply economic and behavioral concepts to strategy formulation.
- Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.
- Assess the potential market for a product and then formulate a plan for developing and marketing the product.
- Formulate and communicate an original business plan to an audience of stakeholders.

Requirements

Core Requirements (53 credits)

- BUS 300 - Introduction to Entrepreneurial Leadership Credits: 5
- BUS 310 - Marketing Research and Analytics Credits: 5
- BUS 344 - Entrepreneurial Finance Credits: 5
- BUS 350 - Production Development and Innovation Credits: 5
- BUS 360 - Sales and Negotiation Credits: 5

BUS 365 - Consumer Behavior Credits: 3
BUS 385 - Operations Management for Competitive Advantage Credits: 5
BUS 390 - Digital Marketing Credits: 5
BUS 395 - Strategic Marketing and Management Credits: 5
BUS 460 - Venture Launch 1 Credits: 5
BUS 490 - Venture Launch 2 Credits: 5

Communication Skills (10 credits)

ENGL& 101 - English Composition I Credits: 5

Choose one from the following:

ENGL 126 - Writing: Humanities Credits: 5
ENGL 127 - Writing: Social Science Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL& 235 - Introduction to Technical Communication Credits: 5
ENGL 335 - Advanced Technical Writing Credits: 5

Quantitative Skills/Symbolic Reasoning (5 credits)

Any college-level math course, the following are recommended:

MATH& 141 - PreCalculus I Credits: 5
MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
MATH& 151 - Calculus I Credits: 5

Humanities (10 credits)

5 credits from the following:

CMST& 101 - Introduction to Communication Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5

5 credits from the following:

PHIL 102 - Contemporary Moral Problems Credits: 5
PHIL 111 - Science, Technology, and Value Credits: 5
PHIL 112 - Ethics in the Workplace Credits: 5
PHIL& 115 - Critical Thinking Credits: 5
PHIL 206 - Gender and Philosophy Credits: 5
PHIL 243 - Environmental Ethics Credits: 5

Social Sciences (10 credits)

BUS& 101 - Introduction to Business Credits: 5

or

BUS 181 - Introduction to International Business Credits: 5

Social Science - Five credits of Social Science Distribution course.

S 1 - Social Science Credits: 5

Natural Sciences (10 credits)

MATH& 146 - Introduction to Statistics Credits: 5

or

MATH 256 - Statistics for Business and Social Science Credits: 5

and Natural Science - Five credits of Natural Science Distribution course.

N 1 - Natural Science List A (Lab) Credits: 5

Additional General Education (15 credits)

ACCT& 201 - Principles of Accounting I Credits: 5

or

ACCT 110 - Practical Accounting 1 Credits: 5

BUS 335 - Integrated Marketing Communications Credits: 5

BUS 400 - Personal and Professional Branding Credits: 5

Business Electives (17 credits)

BUS 121 - Marketing Fundamentals Credits: 5

BUS 401 - Special Topics: Marketing and Entrepreneurship 1 Credits: 2

BUS 402 - Special Topics: Marketing and Entrepreneurship 2 Credits: 3

BUS 403 - Special Topics: Marketing and Entrepreneurship 3 Credits: 2

BUS 404 - Special Topics: Marketing and Entrepreneurship 4 Credits: 3

BUS 405 - Special Topics: Marketing and Entrepreneurship 5 Credits: 2

Additional credits from an Associate's Degree or equivalent in business-related field (50 credits)

Notes

Please note that Math& 146 cannot be used to satisfy both the QSR and the Natural Science requirements -- at least two different college-level math courses must be completed to earn this degree.

Last Revised

7/1/2023

Natural Resources-Forest Resource Management, BAS

186 Credits

The Bachelors of Applied Science in Forest Resource Management degree prepares students to directly enter employment in several Natural Resources areas. By developing academic skills in mathematics, science, English, humanities, and natural resource courses, the student can apply directly for jobs in natural resources management, forest engineering, water quality or wildlife biology.

Track 1: Sampling and Assessment

Track 2: Forestry Operations

Entry Requirements

To enter this program, students must have completed a minimum of a two-year associate degree in forestry or related field. Students who have completed some college coursework but do not have an associate degree or higher are encouraged to meet with academic advisor in the Natural Resources department to develop an educational plan to prepare for entry into the program.

Students must attain a cumulative GPA of at least 2.0 prior to entry into the BAS degree path.

Students must complete and submit an entry application and be accepted into the program before registering for any upper-division (300- and 400-level) courses.

The following courses or their equivalents are critical to your success in the program and contain foundational knowledge upon which upper-division courses in natural resources build. Prior completion of these courses is required for entry into the BAS:

ENGL 128 - Research Writing: Science/Engineering/Business Credits:5

NATRS 192 - GIS for Natural Resources Credits: 5

NATRS 161 - Wildlife Habitat Management Credits: 4

NATRS 180 - Natural Resources Measurement Credits: 6

NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8

NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Graduation Requirement

Completion of an associate degree or higher from a regionally accredited college or university.

Requirements

Natural Resources Core (43 credits)

- NATRS 300 - Forest Ecology Credits: 5
- NATRS 301 - Resource Economics Credits: 5
- NATRS 385 - Forest Protection and Disease Management Credits: 5
- NATRS 390 - Environmental Decision Making and Conflict Resolution Credits: 5
- NATRS 399 - Natural Resources Seminar Credits: 1
- NATRS 400 - Forest Practices, Law and Policy Credits: 5
- NATRS 418 - Resource Management GIS Applications 2 Credits: 2
- NATRS 471 - Restoration Techniques Credits: 5
- NATRS 493 - Advanced Silviculture Credits: 5
- NATRS 494 - Capstone in Natural Resources Proposal Credits: 1
- NATRS 495 - Capstone in Natural Resources Field Work Credits: 2
- NATRS 496 - Capstone in Natural Resources Delivery Credits: 2

Specialty Track 1 - Sampling and Assessment (14 credits)

- NATRS 386 - Bio Invasions: Invasive Species Management Credits: 5
- NATRS 417 - Resource Management GIS Applications 1 Credits: 2
- NATRS 419 - Resource Management GIS Applications 3 Credits: 2
- NATRS 461 - Wildlife Ecology Credits: 5

Specialty Track 2 - Forestry Operations (12 credits)

- NATRS 401 - Advanced Harvest Systems: Cable and Aerial Based Credits: 5
- NATRS 402 - Advanced Harvest Systems: Ground Based Credits: 4
- NATRS 403 - Transportation System Design Credits: 3

General Education Requirements (60 credits)

Mathematics (5 credits)

- MATH& 146 - Introduction to Statistics Credits: 5

English (15 credits)

- ENGL& 101 - English Composition I Credits: 5
- ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
- ENGL 335 - Advanced Technical Writing Credits: 5

Natural Science: (10 credits)

Ten credits of any Natural Science List A or List B courses from Natural Science Distribution list with a minimum of 5 credits from List A.

Suggested courses include:

BIOL 110 - Northwest Ecology Credits: 5 (L)

GEOL& 208 - Geology of the Pacific Northwest Credits: 5 (L)

Humanities (20 credits)

Twenty credits of any courses from Humanities/Fine Arts/English Distribution list.

Suggested courses include:

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

PHIL& 115 - Critical Thinking Credits: 5

PHIL 243 - Environmental Ethics Credits: 5

Social Science (10 credits)

Any course that satisfies a Social Science Distribution requirement.

S 1 - Social Science Credits: 5

S 2 - Social Science Credits: 5

Additional required courses to total 186 credits:

Students must complete forestry-related field courses to total 186 credits.

NATRS 100 - Introduction to Natural Resources Credits: 5

NATRS 114 - Chainsaw Operation and Maintenance Credits: 2

NATRS 161 - Wildlife Habitat Management Credits: 4

NATRS 172 - Computer Applications Overview Credits: 4

NATRS 180 - Natural Resources Measurement Credits: 6

NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8

NATRS 183 - Tree and Shrub Identification Credits: 4

NATRS 184 - Wildflower Identification Credits: 5

NATRS 192 - GIS for Natural Resources Credits: 5

NATRS 205 - Wildland Recreation Credits: 4

NATRS 210 - Introduction to Soils Credits: 4

NATRS 262 - GIS Tools in the Field Credits: 5

NATRS 263 - Cartography Credits: 5

NATRS 270 - Stream and Wetland Ecology Credits: 5
NATRS 277 - Natural Resources Internship 1 Credits: 4
NATRS 278 - Natural Resources Internship 2 Credits: 4
NATRS 279 - Natural Resources Internship 3 Credits: 3
NATRS 280 - Natural Resources Internship 4 Credits: 3
NATRS 284 - Road and Trail Engineering Credits: 7
NATRS 286 - Natural Resources Business Principles Credits: 5
NATRS 290 - Internship Seminar Credits: 1
NATRS 292 - Resource Sampling and Appraisal of Forest Condit Credits: 8
NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Last Revised

7/1/2025

Realtime Reporting: Court Reporting & Captioning, BAS

180 Credits

The BAS degree in Realtime Reporting: Court Reporting & Captioning is designed to prepare students for employment in the fields of Realtime official and freelance judicial reporting, broadcast captioning, or educational captioning, also known as CART (Communication Access Realtime Translation).

Realtime court reporters record the verbatim proceedings of a courtroom, deposition, hearing, arbitration, or meeting and provide an accurate transcript of the proceedings. Realtime captioners are specially trained court reporters called steno captioners. They provide captions of live television programs and other media, or classes, meetings, conferences, church services, etc., to provide instant conversion of speech to text for people with hearing loss. These high-tech career fields utilize a steno machine, specialized machine shorthand theory, and computer software to translate the spoken word to readable text via digital output or transcripts.

Green River's Court Reporting and Captioning program is approved by the National Court Reporters Association (NCRA).

Entry requirements

To enter this program, students must have an associate degree in court reporting, captioning, or Realtime transcription from an regionally accredited institution in court reporting/captioning. Students must have a minimum cumulative GPA of 2.5 or a waiver from the Program Director for entry into the program. Students who have completed some college coursework but do not have an associate degree or higher are encouraged to meet with an adviser in the Court Reporting and Captioning program to develop an educational plan to prepare for entry into the program.

Graduation Requirements

Completion of an associate degree or higher from a regionally accredited college or university.

Upon completion of the required classes, students qualify for the Bachelor of Applied Science degree in Realtime Reporting with a concentration in either court reporting or captioning/CART.

Judicial Court Reporting students must complete 60 hours of internship of which 50 hours is actual writing time during internship training; passed three five-minute tests with 96 percent accuracy or above on literary and jury charge at 200 wpm; and passed three 5-minute tests on Q&A (two-voice) at 225 wpm, with 95 percent accuracy or above. In addition to course work, there are state and/or national examinations that a student should pass to become a court reporter. Reporters must pass the Washington State Licensing examination in order to be certified to work in the state of Washington.

Broadcast Captioning students must complete 25 hours of writing time on campus, off-site, or remotely, under the supervision of an institutional instructor or practicing captioner. Fifteen hours of research and dictionary preparation is also required. Students must pass three 15-minute literary broadcast material takes at 180 wpm at 96 percent accuracy or higher; and pass three 5-minute Realtime literary tests with a minimum of 96 percent accuracy.

Educational Captioning (CART) students must complete 25 hours of writing time on campus, off-site, or remotely, under the supervision of an institutional instructor or a practicing CART captioner. Fifteen hours of research and dictionary preparation is also required. Students must pass three 5-minute Realtime literary takes at 180 wpm at 96 percent accuracy; pass two 5-minute tests on Q&A (two-voice) at 225 wpm with 95 percent accuracy; submit an unedited Realtime translation of two 30-minute segments on varied topics with variable speeds of 180-200 wpm with a goal of 96 percent accuracy or higher for evaluation purposes. In addition to the course work, there are state and/or national examinations that are recommended a student should pass to become a captioner/CART provider.

Contact: CRC@greenriver.edu

Program Website:

Court Reporting & Captioning | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/court-reporting-captioning/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Read, write, and understand a Realtime theory.
Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge material.
Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
Apply machine writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

General Education Requirements (60 credits)

Communication Skills - 15 Credits

ENGL& 101 - English Composition I Credits: 5

Choose one from the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

Choose one from the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

Any college level MATH course 5 credits

Humanities/Fine Arts/English (10 credits)

Ten credits from the list of Humanities/Fine Arts/English Distribution courses.

H 1 - Humanities/Fine Arts/English Credits: 5

H 2 - Humanities/Fine Arts/English Credits: 5

Social Sciences (10 credits)

Ten credits from the list of Social Science Distribution courses.

S 1 - Social Science Credits: 5

S 2 - Social Science Credits: 5

Natural Sciences (10 credits)

Five credits lab science from Natural Science Distribution List A (courses designated with Ⓐ symbol). The additional 5 credits may be taken from either List A or List B.

N 1 - Natural Science List A (Lab) Credits: 5

N 3 - Natural Science List A or List B Credits: 5

Additional General Education (10 credits)

Ten credits from Humanities/Fine Arts/English Distribution, Social Science Distribution, or Natural Science Distribution courses.

Core Requirements (60 credits)

CRC 311 - Machine Shorthand Literary 180 wpm Credits: 4

CRC 312 - Machine Shorthand Testimony 180 wpm Credits: 4

CRC 313 - Machine Shorthand Jury Charge 180 wpm Credits: 4

CRC 321 - Machine Shorthand Literary 200 wpm Credits: 4

CRC 322 - Machine Shorthand Testimony 200 wpm Credits: 4

CRC 323 - Machine Shorthand Jury Charge 200 wpm Credits: 4

CRC 412 - Machine Shorthand Testimony 225 wpm Credits: 4

CRC 490 - Professional Portfolio Credits: 3

BUS 400 - Personal and Professional Branding Credits: 5

MGMT 360 - Business Development and Sales Management Credits: 5

MGMT 400 - Applied Professional and Career Development Credits: 3

MGMT 403 - Diversity, Equity & Inclusion in the Workplace Credits: 2

AND

Judicial Court Reporting Focus

CRC 314 - Certification Preparation 1 Credits: 4

CRC 324 - Certification Prep 2 Credits: 4
CRC 350 - Reporting Intern Credits: 2
CRC 414 - Certification Prep 3 Credits: 4

OR

Captioning/CART Focus

CRC 360 - Captioning Practicum I Credits: 4
CRC 361 - Captioning Practicum 2 Credits: 4
CRC 450 - Certified Realtime Captioner Prep/Testing 1 Credits: 3
CRC 451 - Certified Realtime Captioner Prep/Testing 2 Credits: 3

Required Additional Credits (60 credits)

Additional credits from an Associate Degree in Court Reporting, Captioning, or Realtime Transcription

Last Revised

7/1/2021

Associate in Applied Arts Degree

Accounting, AAA

90 Credits

This 90-credit program focuses on developing practical accounting knowledge and skills. It is designed to prepare individuals for employment in the accounting field in occupations such as: Bookkeeper or Bookkeeping Clerk; Accounting Clerk or Assistant; Accounts Receivable or Payable Clerk; Auditing Clerk; Payroll Clerk or Specialist, and Tax Preparer.

In addition, graduates of this program may enroll in Green River's Bachelor of Applied Science (BAS) in Accounting program. Students planning to pursue the Accounting, BAS should meet with an advisor early in their associate degree program and take the specific courses recommended when multiple options exist.

Students in this program must complete all required accounting classes with a grade of 2.0 or higher. Students must earn a cumulative GPA of 2.0 or higher.

Contacts: Pat Carter, pcarter@greenriver.edu, Jeanette Fohn, jfohn@greenriver.edu, Nicole Wetter, nicole.wetter@greenriver.edu

Program Website: Accounting |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/accounting/>

Program Outcomes

Students who successfully complete this program will be able to:

- Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.
- Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.
- Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.
- Use general ledger computerized software to perform bookkeeping/accounting functions including preparation of financial statements and accounting reports for a small to medium sized business.
- Perform accounting procedures employed in a typical payroll accounting system including preparation of periodic tax forms and timely remittance of tax payments.
- Utilize appropriate technology, including word processing and spreadsheet applications, to input, manage, summarize, and interpret business information and to develop forms and reports to assist management in planning operations, identifying potential problems, and controlling business activities.

Prepare individual Federal Income tax returns and utilize computerized tax software. Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

Core Requirements

ACCT 110 - Practical Accounting 1 Credits: 5 *
ACCT 111 - Practical Accounting 2 Credits: 5 *
ACCT 113 - Practical Accounting 3 Credits: 5 **
ACCT& 203 - Principles of Accounting III Credits: 5
ACCT 212 - QuickBooks for Accounting Credits: 5
ACCT 215 - Advanced Business Computation Credits: 5
ACCT 218 - Individual Taxation Credits: 5
ACCT 221 - Payroll Accounting Credits: 5
ACCT 260 - Governmental and Non-Profit Accounting Credits: 5
BUS& 101 - Introduction to Business Credits: 5

POLS& 200 - Introduction to Law: United States Credits: 5

or

BUS& 201 - Business Law and the Regulation of Business Credits: 5

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 162 - Introduction to Excel Credits: 5
BTAC 163 - Advanced Excel Credits: 5

* ACCT& 201, Principles of Accounting I, may be substituted for ACCT 110 and ACCT 111.

** ACCT& 202, Principles of Accounting II, may be substituted for ACCT 113.

Related Instruction Requirements (15 credits)

Satisfies related instruction requirements

Written Communication

Choose one from the following: students planning to pursue the BAS in Accounting should take ENGL& 101.

BTAC 130 - Business Correspondence Credits: 5
ENGL& 101 - English Composition I Credits: 5
ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5
ENGL 126 - Writing: Humanities Credits: 5
ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL& 235 - Introduction to Technical Communication Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations & Communication

Choose one from the following: students planning to pursue the BAS in Accounting should take either CMST& 101, 210, 220 or 230.

Any CMST or CMST& course

BUS 166 - Human Relations and Work Readiness Credits: 5

AMES 100 - Introduction to American Ethnic Studies Credits: 5

AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5

Electives:

Select from the following courses to total 90 credits:

Any MATH or MATH& course; students planning to pursue the BAS in Accounting should take classes needed to become eligible for MATH& 146; or if already eligible, take MATH& 146 (recommended) or MATH 256.

SDEV 101 - Data Analytics Technologies Credits: 5

ECON& 202 - Macro Economics Credits: 5

Any ACCT course not included in Core Requirements Credits: 5

Any BTAC Course, BTAC 101 recommended for keyboarding skills Credits: 5

Any BUS or BUS& Course Credits: 5

COOP 171 - Work Experience Seminar Credits: 1

ECON 100 - Economic Principles and Applications Credits: 5

ECON& 201 - Micro Economics Credits: 5

PHIL& 115 - Critical Thinking Credits: 5

PHIL& 120 - Symbolic Logic Credits: 5

Notes

Elective credits may be used to meet the minimum degree credit requirements.

Many courses in this degree have enrollment requirements. Not every accounting course is offered every quarter. Careful planning is needed to complete the program in the fewest number of quarters. Consult your advisor for information.

Last Revised

7/1/2024

Administrative Assistant, AAA

90 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest, as well as to offer a comprehensive general education. Placement in courses depends on the student's prior education and experience. Earning an Administrative Assistant degree will prepare the student for employment as an office worker in an entry level position.

Students in this program must complete each class with a grade of 2.0 or higher. This program meets related instruction requirements for the Associate in Applied Arts degree. Students may enter this program at the beginning of any quarter.

Contacts: Lea Ann Simpson, lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe, ssharpe@greenriver.edu

Program Website: Administrative Assistant | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Program Outcomes:

- Implement calculator/computer technology to solve problems.
- Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

Requirements

Any BTAC course not currently required in the degree Credits: 1+

ACCT 110 - Practical Accounting 1 Credits: 5

ACCT 212 - QuickBooks for Accounting Credits: 5

BTAC 100 - Fundamentals of Computers Credits: 5

BTAC 102 - Intermediate Keyboarding Credits: 5 *

BTAC 103 - Advanced Keyboarding Credits: 5

BTAC 112 - Beginning Word Credits: 5

or

BTAC 255 - Advanced Word Credits: 5

BTAC 132 - Business Communication Applications Credits: 5

BTAC 140 - Records Management Credits: 5

BTAC 150 - Introduction to Windows Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BTAC 177 - BTAC Work Experience 1 Credits: 1-12 - Minimum 3 credits
BTAC 214 - Introduction to Information Security Credits: 5
BTAC 266 - Inside Microsoft Office Credits: 5
COOP 171 - Work Experience Seminar Credits: 1
Reading - Eligible for READ 104 (as determined by the appropriate placement score)

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one of the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BTAC 250 - Office Relations and Procedures Credits: 5

Select from the following to total 90 credits

Electives

ACCT& 201 - Principles of Accounting I Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 147 - Beginning Keyboarding-Alphabet Keys Credits: 1

BTAC 148 - Keyboarding-Mastering 10-Key and Symbols Credits: 1

BTAC 149 - Keyboarding-Speed and Accuracy-Skill Building Credits: 1

BTAC 151 - Word: Create, Edit and Format Documents Credits: 1

BTAC 152 - Word: Tables and Sharing Documents Credits: 1

BTAC 153 - Word: Mail Merge and Other Productivity Tools Credits: 1
BTAC 154 - Word: Create a Newsletter Credits: 1
BTAC 155 - Word: Creating Forms, Macros and Document Security Credits: 1
BTAC 163 - Advanced Excel Credits: 5
BTAC 164 - Access: Create and Modify a Database Credits: 1
BTAC 165 - Access: Use Queries to Produce Information Credits: 1
BTAC 166 - Access: Create and Modify Forms Credits: 1
BTAC 167 - Access: Create and Modify Reports Credits: 1
BTAC 175 - Instructor Assistant Credits: 1-5
BTAC 178 - BTAC Work Experience 2 Credits: 1-12
BTAC 179 - BTAC Work Experience 3 Credits: 1-12
BTAC 184 - Internet and Basic Web Design Credits: 5
BTAC 185 - Introduction to Microsoft Access Credits: 5
BTAC 187 - PowerPoint: Preparing a Presentation Credits: 1
BTAC 188 - PowerPoint: Design with Graphics and Multimedia Credits: 1
BTAC 189 - PowerPoint: Customize and Incorporate Web Features Credits: 1
BTAC 191 - Excel: Introduction to Formulas and Functions Credits: 1
BTAC 192 - Excel: Charts and Working with Large Worksheets Credits: 1
BTAC 193 - Excel as a Database Credits: 1
BTAC 194 - Excel: Data Consolidation and What-If Analysis Credits: 1
BTAC 195 - Excel: Collaboration, the Web, and Macros Credits: 1
BTAC 216 - Computer Support Internship I Credits: 2-5
BTAC 255 - Advanced Word Credits: 5
BUS& 101 - Introduction to Business Credits: 5
BUS 164 - Entrepreneurship and Small Business Management Credits: 5
BUS 166 - Human Relations and Work Readiness Credits: 5
ENGL 105 - Grammar and Usage Credits: 5
PSYC& 100 - General Psychology Credits: 5
SOC& 101 - Introduction to Sociology Credits: 5

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Last Revised

7/1/2019

Business Applications Specialist, AAA

90 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest, as well as a comprehensive general education. Placement in courses depends on the student's prior education and experience.

Students in this program must complete each class with a grade of 2.0 or higher. Students may enter this program at the beginning of any quarter. This program meets the college's related instruction requirements for the Associate in Applied Arts degree.

Contacts: Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe - ssharpe@greenriver.edu

Program Website: Business Applications Specialist | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-applications-specialist/index.html>

Program Outcomes

Implement calculator/computer technology to solve problems.
Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 101 - Beginning Keyboarding Credits: 5 *
or
BTAC 102 - Intermediate Keyboarding Credits: 5 *
BTAC 112 - Beginning Word Credits: 5
BTAC 132 - Business Communication Applications Credits: 5
BTAC 140 - Records Management Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 162 - Introduction to Excel Credits: 5
BTAC 163 - Advanced Excel Credits: 5
BTAC 184 - Internet and Basic Web Design Credits: 5
BTAC 185 - Introduction to Microsoft Access Credits: 5
BTAC 214 - Introduction to Information Security Credits: 5
BTAC 216 - Computer Support Internship I Credits: 2-5
BTAC 255 - Advanced Word Credits: 5
BTAC 266 - Inside Microsoft Office Credits: 5
Reading - Eligible for READ 104 (as determined by the appropriate placement score)
or completion of READ 094 Credits: 0-5
Any BTAC course not currently required in the degree Credits: 1+

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Computations

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BTAC 250 - Office Relations and Procedures Credits: 5

Electives:

Students must select from the following list of courses below to total a minimum of 90 credits.

ACCT 110 - Practical Accounting 1 Credits: 5 or

ACCT& 201 - Principles of Accounting I Credits: 5

ACCT 212 - QuickBooks for Accounting Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5 *

BTAC 102 - Intermediate Keyboarding Credits: 5

BTAC 103 - Advanced Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 132 - Business Communication Applications Credits: 5

BTAC 147 - Beginning Keyboarding-Alphabet Keys Credits: 1

BTAC 148 - Keyboarding-Mastering 10-Key and Symbols Credits: 1

BTAC 149 - Keyboarding-Speed and Accuracy-Skill Building Credits: 1

BTAC 151 - Word: Create, Edit and Format Documents Credits: 1

BTAC 152 - Word: Tables and Sharing Documents Credits: 1

BTAC 153 - Word: Mail Merge and Other Productivity Tools Credits: 1

BTAC 154 - Word: Create a Newsletter Credits: 1

BTAC 155 - Word: Creating Forms, Macros and Document Security Credits: 1
 BTAC 163 - Advanced Excel Credits: 5
 BTAC 164 - Access: Create and Modify a Database Credits: 1
 BTAC 165 - Access: Use Queries to Produce Information Credits: 1
 BTAC 166 - Access: Create and Modify Forms Credits: 1
 BTAC 167 - Access: Create and Modify Reports Credits: 1
 BTAC 175 - Instructor Assistant Credits: 1-5
 BTAC 177 - BTAC Work Experience 1 Credits: 1-12 † or
 BTAC 178 - BTAC Work Experience 2 Credits: 1-12 † or
 BTAC 179 - BTAC Work Experience 3 Credits: 1-12 †
 and
 COOP 171 - Work Experience Seminar Credits: 1
 BTAC 187 - PowerPoint: Preparing a Presentation Credits: 1
 BTAC 188 - PowerPoint: Design with Graphics and Multimedia Credits: 1
 BTAC 189 - PowerPoint: Customize and Incorporate Web Features Credits: 1
 BTAC 191 - Excel: Introduction to Formulas and Functions Credits: 1
 BTAC 192 - Excel: Charts and Working with Large Worksheets Credits: 1
 BTAC 193 - Excel as a Database Credits: 1
 BTAC 194 - Excel: Data Consolidation and What-If Analysis Credits: 1
 BTAC 195 - Excel: Collaboration, the Web, and Macros Credits: 1
 BTAC 217 - Computer Support Internship 2 Credits: 2-5
 BTAC 255 - Advanced Word Credits: 5
 BUS& 101 - Introduction to Business Credits: 5
 or
 BUS 164 - Entrepreneurship and Small Business Management Credits: 5
 BUS 166 - Human Relations and Work Readiness Credits: 5
 PSYC& 100 - General Psychology Credits: 5
 SOC& 101 - Introduction to Sociology Credits: 5

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training. †Students may earn up to 10 credits through Work Experience classes.

Last Revised

7/1/2019

Business Management, AAA

90-95 Credits

This degree program prepares students to be successful in a wide range of business careers. The focus is on providing a broad set of business skills that will help students perform better in the workplace and increase their advancement opportunities. Career paths in business management include marketing, sales, general management, project management, small business, and more.

Business Management courses emphasize practical application of skills important for personal and professional development. Our students range from those with no business experience to those with more than two decades in the workforce.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website

Business Management | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Program Outcomes:

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.

- Describe the basics of strategic planning and creative problem solving.

- Explain the methods for organizing and delegating work.

- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

Requirements

Keyboarding 30 wpm (test administered by the BTAC Dept.) *

Reading - Eligible for READ 104 Credits: 0-5

ACCT 110 - Practical Accounting 1 Credits: 5

or

ACCT& 201 - Principles of Accounting I Credits: 5

BTAC 100 - Fundamentals of Computers Credits: 5

or

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BUS& 101 - Introduction to Business Credits: 5

BUS 103 - Business Leadership Credits: 5
BUS 121 - Marketing Fundamentals Credits: 5

BUS 159 - Professional Selling Credits: 5
or
BUS 257 - Customer Service Strategies Credits: 5

BUS 173 - Basic Financial Management Credits: 5
BUS 181 - Introduction to International Business Credits: 5

BUS 202 - Introduction to Project Management Credits: 5
or
BUS 164 - Entrepreneurship and Small Business Management Credits: 5

BUS 258 - Principles of Management and Supervision Credits: 5

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

Choose one of the following:

BTAC 130 - Business Correspondence Credits: 5
ENGL& 101 - English Composition I Credits: 5

Oral Communication

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5
CMST 117 - Communication for Business and Professions Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5

Computation

Choose one of the following:

BTAC 110 - Business Math Applications Credits: 5
Any college-level MATH course

Credits / Units: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

Electives:

Students must choose 20 credits from the following electives.

Students wishing to obtain an additional specialized certificate should seek advising assistance.

ACCT-any course

BUS-any course

BTAC-any course

CMST-any course

CS-any course

ECON-any course

ENGL-any course

IT-any course

JOURN 152 - Broadcasting & Digital Media Management Credits: 5

MATH& 146 - Introduction to Statistics Credits: 5

or

MATH 256 - Statistics for Business and Social Science Credits: 5

N 1 - Natural Science List A (Lab) Credits: 5

PHIL 102 - Contemporary Moral Problems Credits: 5

PHIL 111 - Science, Technology, and Value Credits: 5

PHIL 112 - Ethics in the Workplace Credits: 5

PHIL& 115 - Critical Thinking Credits: 5

PHIL 206 - Gender and Philosophy Credits: 5

PHIL 243 - Environmental Ethics Credits: 5

POLS& 200 - Introduction to Law: United States Credits: 5

SDEV-any course

Notes

* Keyboarding/typing skills may be demonstrated by passing a 3-minute typing test at 30 wpm with 5 or less errors using the proper typing techniques administered by the Business Technologies and Administrative Careers Department.

Upon successfully completing the required courses for the AAA in Business Management, students must apply for graduation to receive the following specialized certificates:

Business Foundations (45 credits)

Management and Supervision (25 credits)

Marketing and Sales (20 credits)

Retail Management (50 credits)

Last Revised

7/1/2023

Legal Administrative Assistant, AAA

93-98 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest, as well as to offer a comprehensive general education. Placement in courses depends on prior education and experience. Students in this program must complete each class with a grade of 2.0 or higher. This program meets the college's related instruction requirements for the Associate in Applied Arts degree. Students may enter this program at the beginning of any quarter.

Contacts: Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe, ssharpe@greenriver.edu

Program Website:

Legal Administrative Assistant |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/legal-administrative-assistant/index.html>

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

Requirements

Any BTAC course not currently required in the degree Credits: 1+

BTAC 100 - Fundamentals of Computers Credits: 5

BTAC 102 - Intermediate Keyboarding Credits: 5 *

BTAC 103 - Advanced Keyboarding Credits: 5

BTAC 109 - Legal Terminology Credits: 3

BTAC 112 - Beginning Word Credits: 5

or

BTAC 255 - Advanced Word Credits: 5

BTAC 132 - Business Communication Applications Credits: 5

BTAC 140 - Records Management Credits: 5

BTAC 150 - Introduction to Windows Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

BTAC 177 - BTAC Work Experience 1 Credits: 1-12 -Requires 3 credits

and

COOP 171 - Work Experience Seminar Credits: 1
BTAC 235 - Legal Office Procedures Credits: 5
BTAC 220 - Technology in the Legal Office Credits: 5
BTAC 266 - Inside Microsoft Office Credits: 5
BUS& 201 - Business Law and the Regulation of Business Credits: 5
POLS& 200 - Introduction to Law: United States Credits: 5
Reading - Eligible for READ 104 (as determined by the appropriate placement score)

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Computations

BTAC 110 - Business Math Applications Credits: 5

Human Relations

Choose one from the following:

BTAC 250 - Office Relations and Procedures Credits: 5

BUS 166 - Human Relations and Work Readiness Credits: 5

To enhance the student's preparation for future employment, we recommend the following:

ACCT 110 - Practical Accounting 1 Credits: 5

or

ACCT& 201 - Principles of Accounting I Credits: 5

BUS& 101 - Introduction to Business Credits: 5

or

BUS 164 - Entrepreneurship and Small Business Management Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 115 - Professional Image Building Credits: 1
BTAC 163 - Advanced Excel Credits: 5
BTAC 175 - Instructor Assistant Credits: 1-5
BTAC 177 - BTAC Work Experience 1 Credits: 1-12
BTAC 178 - BTAC Work Experience 2 Credits: 1-12
BTAC 179 - BTAC Work Experience 3 Credits: 1-12
BTAC 184 - Internet and Basic Web Design Credits: 5
BTAC 185 - Introduction to Microsoft Access Credits: 5
BTAC 214 - Introduction to Information Security Credits: 5
BTAC 250 - Office Relations and Procedures Credits: 5
BTAC 255 - Advanced Word Credits: 5
CJ& 101 - Introduction to Criminal Justice Credits: 5
ENGL 105 - Grammar and Usage Credits: 5
PSYC& 100 - General Psychology Credits: 5
SOC& 101 - Introduction to Sociology Credits: 5

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training. Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as BTAC 255 in place of BTAC 112.

Last Revised

7/1/2019

Medical Office Administration, AAA

94-95 Credits

This degree program provides students an opportunity to develop essential medical administrative skills in their area of interest, as well as, to offer a comprehensive general education. Placement in courses depends on prior education and experience.

Options for this degree include the Front Office or Medical Coding and Reimbursement:

Front Office - This degree option provides students an opportunity to develop essential front office medical administrative skills including customer service, patient registration, scheduling, filing and computer skills necessary to obtain employment in a variety of healthcare settings.

Medical Coding and Reimbursement Specialist: This degree option provides student an opportunity to develop essential ICD, CPT, HCPCS and reimbursement skills necessary to obtain employment in the medical billing or coding setting. Upon

completion of the program, students will be eligible to sit for formal exams offered through national organizations in order to obtain medical coding certification.

To earn this degree, the student must complete all core classes. In addition, the student must choose an area of concentration and complete the required courses in that area. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Shannon Sharpe - ssharpe@greenriver.edu, Lea Ann Simpson-
lsimpson@greenriver.edu

Program Website:

Medical Office Administration | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/medical-office-administration/index.html>

Program Outcomes

- Accurately spell, pronounce and define common medical terms related to major disease processes, diagnostic procedures, laboratory tests, abbreviations, drugs, and treatment modalities.
- Develop an understanding of the structure and function of the healthy human body, diseases and treatment modalities.
- Identify the different types of healthcare providers, disciplines, common departments and general structure found within healthcare organizations.
- Analyze and verify medical record and documentation accuracy and validity.
- Identify and define medical disease, diagnosis, procedural terms and abbreviations.
- Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.
- Define key legal concepts related to healthcare
- Perform mathematical calculations needed to process a claim, determine allowed amounts, deductibles and co-payments, process cash, check and electronic payments, and balance monthly and yearly financial records.
- Complete all general medical practice management software tasks such as registering and scheduling patients, searching and reviewing medical records online, entering codes, payment and other electronic health record (EHR) tasks.

Requirements

- AP 100 - Survey of Human Anatomy and Physiology Credits: 5
- BTAC 100 - Fundamentals of Computers Credits: 5
- BTAC 102 - Intermediate Keyboarding Credits: 5 *

- BTAC 112 - Beginning Word Credits: 5
- or**
- BTAC 255 - Advanced Word Credits: 5

BTAC 125 - Medical Terminology for Office Administration Credits: 5
BTAC 126 - Pharmaceutical Basics Credits: 2
BTAC 127 - Overview of Human Diseases for Non-Clinicians Credits: 3
BTAC 142 - Health Information and Delivery Systems Credits: 5
BTAC 145 - Introduction to ICD Coding Credits: 5
BTAC 146 - Introduction to CPT Coding Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BTAC 245 - Medical Office Procedures Credits: 5

BTAC 248 - Healthcare Reimbursement Methodology Credits: 5

Options:

Select from one of the following areas of concentration

Front Office (14 credits)

BTAC 132 - Business Communication Applications Credits: 5

BTAC 177 - BTAC Work Experience 1 Credits: 1-12 -Minimum 3 credits

and

COOP 171 - Work Experience Seminar Credits: 1

BTAC 266 - Inside Microsoft Office Credits: 5

Medical Coding and Reimbursement (15 credits)

BTAC 180 - Medical Coding Professional Practice Experience Credits: 5

or

BTAC 177 - BTAC Work Experience 1 Credits: 1-12 -Minimum 4 credits

and

COOP 171 - Work Experience Seminar Credits: 1

BTAC 257 - Intermediate ICD Coding Credits: 5

BTAC 258 - Intermediate CPT/HCPCS Coding Credits: 5

Related Instruction Requirements

Satisfies related instruction requirements

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one of the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110 - Practical Accounting 1 Credits: 5

BUS& 101 - Introduction to Business Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

and/or

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 112 - Beginning Word Credits: 5

or

BTAC 255 - Advanced Word Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 140 - Records Management Credits: 5

BTAC 150 - Introduction to Windows Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BTAC 175 - Instructor Assistant Credits: 1-5
BTAC 178 - BTAC Work Experience 2 Credits: 1-12
BTAC 179 - BTAC Work Experience 3 Credits: 1-12
BTAC 185 - Introduction to Microsoft Access Credits: 5
BTAC 250 - Office Relations and Procedures Credits: 5

Notes

** Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.*

Last Revised

7/1/2017

Realtime Transcription, AAA

150 Credits

Realtime court reporters record the verbatim proceedings of a courtroom, deposition, hearing, arbitration, or meeting and provide an accurate transcript of the proceedings.

Realtime captioners are specially trained court reporters called steno captioners. They provide captions of live television programs and other media, or classes, meetings, conferences, doctor appointments, church services, etc., to provide instant conversion of speech to text for people with hearing loss.

These high-tech career fields utilize a steno machine, specialized machine shorthand theory, and computer software to translate the spoken word to readable text via digital output or transcripts.

Realtime transcription delivers a high level of proficiency in text entry/transcription of recorded material and is an intermediate-level, steno-based Realtime skill that offers potential employment opportunities in the expansive field of transcription services.

Green River's Court Reporting and Captioning program is approved by the National Court Reporters Association. All students entering the program must be high school graduates or have earned a GED certificate. A spelling placement test score of 90 percent accuracy or higher or ENGL 90 is required.

Completion of the Associate in Applied Arts in Realtime Transcription will provide the foundation for seamless entry into the Realtime Reporting: Court Reporting & Captioning, BAS program, which further prepares students with the skills and abilities to work as Realtime freelance or official judicial reporters or broadcast or educational captioners.

For more information about this degree, please contact either of the following:

Contact: CourtReportingCaptioning@greenriver.edu

Program Website: Court Reporting & Captioning

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/court-reporting-captioning/index.html>

Requirements

BTAC 109 - Legal Terminology Credits: 3
BTAC 125 - Medical Terminology for Office Administration Credits: 5
CRC 101 - Machine Shorthand Theory 1 Credits: 8
CRC 102 - Machine Shorthand Theory 2 Credits: 8
CRC 103 - Machine Shorthand Theory 3 Credits: 8
CRC 111 - Machine Shorthand Literary 60 WPM Credits: 4
CRC 112 - Machine Shorthand Testimony 60 WPM Credits: 4
CRC 121 - Machine Shorthand Literary 80 WPM Credits: 4
CRC 122 - Machine Shorthand Testimony 80 wpm Credits: 4
CRC 131 - Machine Shorthand Literary 100 wpm Credits: 4
CRC 132 - Machine Shorthand Testimony 100 wpm Credits: 4
CRC 133 - Machine Shorthand Jury Charge 100 wpm Credits: 4
CRC 141 - Machine Shorthand Literary 120 wpm Credits: 4
CRC 142 - Machine Shorthand Testimony 120 wpm Credits: 4
CRC 143 - Machine Shorthand Jury Charge 120 wpm Credits: 4
CRC 144 - Machine Shorthand Medical QA 120 wpm Credits: 4
CRC 150 - Computer-Aided Transcription-Beginning Credits: 4
CRC 151 - Computer-Aided Transcription-Advanced Credits: 3
CRC 211 - Machine Shorthand Literary 140 wpm Credits: 4
CRC 212 - Machine Shorthand Testimony 140 wpm Credits: 4
CRC 213 - Machine Shorthand Jury Charge 140 wpm Credits: 4
CRC 214 - Machine Shorthand Medical QA 140 wpm Credits: 4
CRC 221 - Machine Shorthand Literary 160 wpm Credits: 4
CRC 222 - Machine Shorthand Testimony 160 wpm Credits: 4
CRC 223 - Machine Shorthand Jury Charge 160 wpm Credits: 4
CRC 224 - Machine Shorthand Medical QA 160 wpm Credits: 4
CRC 251 - Court Reporting Procedures 2 Credits: 5
CRC 260 - Introduction to Captioning/Alternative Careers Credits: 3
ENGL 105 - Grammar and Usage Credits: 5
INFO 110 - Information Literacy and Research Skills Credits: 2

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication (5 credits)

ENGL& 101 - English Composition I Credits: 5

Oral Communication (5 credits)

Choose one from the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST 117 - Communication for Business and Professions Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Computation (5 credits)

BTAC 110 - Business Math Applications Credits: 5

Or any college level MATH course

Credits / Units: 5

Human Relations (5 credits)

CRC 250 - Court Reporting Procedures 1 Credits: 5

Notes

Last Revised

7/1/2021

Associate in Applied Science Degree

Automotive Technology, AAS

96-103 Credits

This degree program prepares the student for employment in the automotive industry.

Graduates of the program achieve competencies set forth by the ASE Education Foundation and obtained related education in the fields of leadership, human relations and communication.

Credit for hours of training is usually granted to those entering into an approved apprenticeship program and is granted for the certification experience requirement.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license. Students must keep a valid driver's license while attending automotive classes.

Contact: ATECH@greenriver.edu

Program Website: Automotive Technology |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/automotive-technology/index.html>

Program Outcomes:

Students who successfully complete this program will be able to:

- Demonstrate safe shop practice and hazardous material handling.
- Diagnose and repair automotive electrical systems to ASE Standards
- Diagnose and repair automotive emissions and engine performance standards to ASE Standards.
- Diagnose and repair automotive engines to ASE Standards
- Diagnose and repair automotive automatic and manual transmission/transaxle systems to ASE Standards.
- Diagnose and repair automotive steering and suspension systems to ASE Standards.
- Diagnose and repair automotive brake systems to ASE Standards.
- Diagnose and repair automotive air condition and heating systems to ASE Standards.

First Quarter (17-22 credits)

Reading requirement - Eligible for READ 104

ATECH 110 - Shop Procedures Credits: 2
ATECH 111 - Electrical and Electronics Systems Credits: 1-14 - Minimum 14 credits
ATECH 150 - Automotive Leadership Skills 1 Credits: 1
MATH 70 - Pre-Algebra Credits: 5
or Eligible for MATH 72 - Elementary Algebra

Second Quarter (21-23 credits)

ATECH 112 - Engine Performance Credits: 1-14 - Minimum 14 credits
ATECH 151 - Automotive Leadership Skills 2 Credits: 1
CMST 105 - Oral Communication for Trades Credits: 3
and
CMST 106 - Human Relations for Trades Credits: 3
or any course that satisfies the Oral Communication Requirements Credits: 5

Third Quarter (17 credits)

ATECH 116 - Suspension and Steering Credits: 1-6 - Minimum 6 credits
ATECH 117 - Brakes Credits: 1-7 - Minimum 7 credits
ATECH 152 - Automotive Leadership Skills 3 Credits: 1
INDUS 111 - Welding Survey 1 Credits: 3

Fourth Quarter (13 credits)

ATECH 114 - Automatic Transmission and Transaxle Credits: 1-6 - Minimum 6 credits
ATECH 115 - Manual Drive Trains and Axles Credits: 1-6 - Minimum 6 credits
ATECH 153 - Automotive Leadership Skills 4 Credits: 1
If CMST 105/106 not completed - Human Relations - Any course that satisfies the Human Relations Credits: 5

Fifth Quarter (17 credits)

ATECH 113 - Engine Repair Credits: 1-5 - Minimum 5 credits
ATECH 118 - Heating and Air Conditioning Credits: 1-6 - Minimum 6 credits
ATECH 154 - Automotive Leadership Skills 5 Credits: 1
ENGL& 101 - English Composition I Credits: 5
or
ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5

Sixth Quarter (12-13 credits)

Minimum 12 credits from the course selected

ATECH 119 - Special Shop Practice Credits: 1-12

or

ATECH 177 - Auto Work Experience Credits: 1-13

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I

or

ENGL 109 - Writing for Trades and Career/Technical Degrees

Oral Communication

Choose one of the following: Students who are planning to take CMST& 210, 217, 220, 230 or 240 can only count it as meeting either only the Related Instructions Oral Communication OR only the Human Relations requirements.

CMST 105 - Oral Communication for Trades Credits: 3

CMST& 210 - Interpersonal Communication Credits: 5

CMST 117 - Communication for Business and Professions Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Computation

Choose one of the following:

MATH 70 - Pre-Algebra Credits: 5

or eligible for MATH 72 - Elementary Algebra

Human Relations

Choose one of the following: Students who are planning to take CMST& 210, 217, 220, 230 or 240 can only count it as meeting either only the Related Instructions Oral Communication OR only the Human Relations requirements.

BUS 166 - Human Relations and Work Readiness Credits: 5

CMST 106 - Human Relations for Trades Credits: 3

CMST& 210 - Interpersonal Communication Credits: 5

CMST 117 - Communication for Business and Professions Credits: 5

CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5

Notes

CMST 105 & 106 are offered in the same quarter so both can be completed in one quarter. For scheduling or transfer-ability reasons, other courses from the current list of related instruction requirements may be substituted.

Last Revised

7/1/2022

Aviation Technology - Unmanned Aerial Systems, AAS

92 Credits

This degree will introduce the student to the world of unmanned aerial vehicles (UAV) and will allow them to learn about the regulatory environment, licensing requirements for an operator, operational issues, and commercial uses and limitations of unmanned aerial vehicles. The degree will also instruct students in basic and advanced flying skills with emphasis in photography and various other topics.

This AAS degree program is approved by the Veterans Administration.

Contact: Tad Henry tahenry@greenriver.edu 253-931-6514

Program Website: Aviation Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Program Outcomes:

Students who successfully complete this program will be able to:

- Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.
- Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation and other industry professionals with technology used with unmanned aerial systems.

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication (5 credits)

ENGL& 101 - English Composition I Credits: 5

Quantitative/Symbolic Reasoning Skills (5 credits)

Any college level (MATH) course 5 credits

Natural Science (5 credits)

Any Natural Science Distribution course with a lab 5 credits

Humanities (5 credits)

Choose one of the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Core Requirements (72 credits)

A SIM 107 - Small Unmanned Aircraft Systems (sUAS) Flight Training Credits: 2

AVIA 107 - Drone Operations Credits: 5

AVIA 111 - Private Pilot Ground School Credits: 5

AVIA 123 - Aviation Weather Credits: 5

AVIA 211 - Aerodynamics for Pilots Credits: 5

AVIA 212 - Human Factors for Aviators Credits: 5

AVIA 270 - Air Traffic Control Fundamentals Credits: 5

PHOTO 111 - Beginning Digital Photography Credits: 5

PHOTO 112 - Intermediate Digital Photography Credits: 5

ART 123 - Beginning Videography Credits: 5

IT 131 - Introduction to Networks Credits: 5

IT 135 - CompTIA Security+ Certification Preparation Credits: 5

CS 108 - Data Science Foundations Credits: 5

SDEV 101 - Data Analytics Technologies Credits: 5

SDEV 106 - Front-End Web Development Credits: 5

Notes

This AAS degree program is approved by the Veterans Administration.

Last Revised

7/1/2024

Aviation Technology, AAS

90-97 Credits

The Aviation Technology Associate of Applied Science program at Green River College prepares students for entry level jobs as commercial pilots, air traffic controllers, airline dispatchers, or aviation managers. Students choose one of the four option tracks dependent on their future career desires. All students experience a little of each track option in order to help them make a decision and to have a well-rounded education in aviation. This program directly transfers into the Bachelor of Applied Science - Aeronautical Science degree program.

Option 1: Commercial Pilot Track (97 credits) -

Throughout the commercial pilot program students will be required to get their Private Pilot License, Instrument Rating, and Commercial Pilot License. Students must complete their flight hours at a Part 141 flight school, the cost for the flight hours is in addition to the tuition and fees for this program. Graduates of Green River College's Commercial Pilot program may be eligible for the Restricted Airline Transport Pilot (R-ATP) certificate at 1,000 hours total time provided they completed their Commercial and Instrument Flight training and certification at an approved GRC Part 141 flight school. Students will need to obtain a valid 1st class medical certificate prior to starting their flight training. To find an Aviation Medical Examiner (AME) in your area go to <https://www.faa.gov/pilots/amelocator>

Option 2: Air Traffic Control Track (91 credits) -

Green River Aviation is one of 36 institutions selected by the FAA for the Collegiate Training Initiative (CTI) program. The CTI program establishes an official partnership between the FAA and select aviation education programs. Green River recommends its students to the FAA for hire as air traffic controllers, granting students an advantage in the extremely competitive hiring process. Successful program completion and selection by the FAA can potentially feed directly into air traffic controller training at the FAA Academy in Oklahoma City, Oklahoma. There are additional requirements students must meet beyond acceptance to Green River's Aviation Technology program to participate in the CTI program. Go to www.faa.gov/jobs/students/schools for more information. Completing the ATC degree does not assure the FAA will hire the Green River AT-CTI

graduate. Green River College has no influence over the FAA hiring process. Students will need to obtain a valid 2nd class medical certificate prior to working as an Air Traffic Controller. To find an Aviation Medical Examiner (AME) in your area go to www.faa.gov/jobs/students/schools

Option 3: Airline Dispatch Track (91 credits) -

Administered under CFR Title 14, Part 65, students completing this track will be eligible to test for the FAA Aircraft Dispatchers Certificate. Students must be at least 21 years of age on or before the completion of the course in order to qualify for the dispatch test.

Option 4: Aviation Management Track (90 credits) -

This option track prepares students for entry level jobs at airports or airlines of all sizes across the United States.

If you took aviation courses while in high school, please refer to District Classes Eligible for GRC for credit eligibility.

Program Website: Aviation Technology

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Contact: George Comollo - gcomollo@greenriver.edu - 253-931-6577

Program Outcomes

Students who successfully complete this program will be able to:

- Prepare for a position in the aviation industry.

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication (5 credits)

- ENGL& 101 - English Composition I Credits: 5

Computation (5 credits)

Any college level quantitative skill (MATH) course. Credits: 5

Human Relations (5 credits)

AVIA 212 - Human Factors for Aviators Credits: 5

Natural Science (5 credits)

Any Natural Science Distribution course with a lab

Core Requirements (50 credits)

All students, no matter their track, must complete the following courses:

- AVIA 103 - Aviation History and Careers Credits: 5
- AVIA 107 - Drone Operations Credits: 5
- AVIA 110 - Airline Operation Credits: 5
- AVIA 111 - Private Pilot Ground School Credits: 5
- AVIA 123 - Aviation Weather Credits: 5
- AVIA 160 - Aviation Communications Credits: 5
- AVIA 190 - Air Traffic Control Technologies Credits: 5
- AVIA 216 - Basic Instrument Pilot Ground School Credits: 5
- AVIA 267 - International Flight Planning and ETOPS Credits: 5
- AVIA 275 - Airline Dispatch and Operations Credits: 5

Option 1: Commercial Pilot Track (27 credits)

The following classes are only for students on the commercial pilot track:

- A SIM 111 - Private Pilot Flight Simulation Credits: 1
- A SIM 121 - Private Pilot Completion Credits: 1
- A SIM 216 - Basic Instrument Flight Simulation Credits: 2
- A SIM 218 - Commercial Pilot Flight Simulation Credits: 1
- A SIM 226 - Instrument Rating Completion Credits: 1
- A SIM 228 - Commercial Pilot Completion Credits: 1
- AVIA 112 - Introduction to Aircraft Systems Credits: 5
- AVIA 211 - Aerodynamics for Pilots Credits: 5
- AVIA 218 - Commercial Pilot Ground School Credits: 5
- AVIA 270 - Air Traffic Control Fundamentals Credits: 5

Option 2: Air Traffic Control Track (21 credits)

The following classes are only for students on the Air Traffic Control track:

- A SIM 101 - Flight Procedures for Non-Pilots Credits: 1

or

A SIM 111 - Private Pilot Flight Simulation Credits: 1

AVIA 211 - Aerodynamics for Pilots Credits: 5

AVIA 281 - Air Traffic Control 1 Credits: 5

AVIA 282 - Air Traffic Control 2 Credits: 5

AVIA 286 - Air Traffic Controllers 3-Enroute ATC Credits: 5

Option 3: Airline Dispatch Track (21 credits)

The following classes are only for students on the Airline Dispatch track:

A SIM 101 - Flight Procedures for Non-Pilots Credits: 1

or

A SIM 111 - Private Pilot Flight Simulation Credits: 1

AVIA 112 - Introduction to Aircraft Systems Credits: 5

AVIA 211 - Aerodynamics for Pilots Credits: 5

AVIA 270 - Air Traffic Control Fundamentals Credits: 5

AVIA 276 - Airline Dispatch Practical Credits: 5

Option 4: Aviation Management Track (20 credits)

The following classes are only for students on the Aviation Management track:

AVIA 177 - Aviation Work Experience 1 Credits: 1-13 -minimum 5 credits

or

AVIA 276 - Airline Dispatch Practical Credits: 5

AVIA 210 - Aviation and the Law Credits: 5

AVIA 217 - Aviation Security Credits: 5

AVIA 270 - Air Traffic Control Fundamentals Credits: 5

Notes

Last Revised

7/1/2025

Carpentry Technology-Residential and Light Commercial, AAS

90-97 Credits

This degree program prepares individuals to become successfully employed in the field of construction. Students can also apply these skills to a variety of jobs within the residential construction field. Students can choose to earn a variety of certificates related to residential carpentry or can earn an AAS in Residential and Light Commercial Carpentry. After completion of the certificates or the degree, students can readily find employment as a carpenter helper for either general or specialty contractors. Generally, after a period of time, most students find themselves in jobs such as: lead carpenters, general contractors, specialty contractors, supervisors, vendor representatives, designers, retail sales specialists, building inspectors, or in other construction-related employment such as construction management.

Students whose primary language is not English must have successfully completed ELL Level 3 prior to enrolling in the Carpentry Technology Program.

Contacts: Robert Bean - rbean@greenriver.edu

Program Website: Carpentry Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.
- Form and pour a typical foundation for a basic home.
- Frame the wooden structure for a basic single-story home.
- Install all basic interior trim components for a home.
- Install all basic exterior trim components for a home.
- Read and interpret basic architectural residential prints
- Calculate, layout and install basic stairs and components.
- Calculate, install and sheath typical stick-framed roof structures.
- Build a basic kitchen base cabinet to within 1/32" of all given dimensions
- Form and pour typical concrete slabs.
- Estimate materials and supplies to build a basic single story residential home.

Requirements (79 credits)

Maximum credits required in variable credit courses.

- CARP 113 - Foundations and Floor Framing Credits: 1-13 -Fall quarter only
- CARP 114 - Wall and Roof Framing Credits: 1-13 -Winter quarter only
- CARP 115 - Exterior and Interior Finish Credits: 1-13 -Spring quarter only
- CARP 161 - Print Reading Credits: 3 -Fall quarter only

CARP 162 - Stair Design and Construction Credits: 1-4 -Evenings every quarter
CARP 163 - Rafters Design and Framing Level 1 Credits: 4 -Evenings every quarter
CARP 164 - Intermediate Woodworking and Cabinetry Credits: 1-4 -Evening every quarter
CARP 167 - Material Estimating Credits: 3 -Winter quarter only
CARP 168 - Green Construction Principles and Practices Credits: 3 -Spring quarter only
INDUS 101 - Basic Woodworking Credits: 1-4
-Winter and spring quarters
INDUS 108 - Introduction to Building Construction Trades Credits: 10
-Summer quarter only

Electives:

Students must complete a minimum of 5 credits from the following offerings:

CARP 169 - Advanced Stair Construction Credits: 1-4 -Evenings every quarter
CARP 171 - Advanced Cabinetry and Wood Fabrication Credits: 1-6 -Evenings every quarter
INDUS 111 - Welding Survey 1 Credits: 3

Related Instruction Requirements (11-18 credits)

Satisfies related instruction requirements.

Most related instruction courses have prerequisites. Please work with Carpentry advisor for selecting which courses will meet program requirements and scheduling constraints.

Written Communication (5 credits)

Choose one of the following:

ENGL& 101 - English Composition I Credits: 5
ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5

Oral Communications (3-5 credits)

Choose one of the following:

CMST 105 - Oral Communication for Trades Credits: 3
CMST& 210 - Interpersonal Communication Credits: 5

Computation (0-5 credits)

Eligible for MATH 72

Or

MATH 70 - Pre-Algebra Credits: 5

Human Relations (3 credits)

CMST 106 - Human Relations for Trades Credits: 3

Notes

Last Revised

7/1/2024

Early Childhood Education, AAS

90 Credits

This degree program prepares students for a career in Early Childhood Education. The completion of the degree or certificate program prepares graduates to seek employment in childcare centers, Head Start, family childcare homes, cooperative and private preschools, children's homes, institutions and other programs serving children from birth through 8 years of age. This curriculum provides meaningful instruction for parents, foster parents and persons working with young children as instructional aides or paraeducators. Cultural relevancy is integrated into each course.

Students may specialize in one or more areas of emphasis and may enter this program at the beginning of any quarter. Students must complete all Early Childhood Education (ECED/ECED&) and Education (EDUC/EDUC&) course with a grade of 2.0 or higher.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/areas-of-interest/program-maps/education-law-social-science/early-childhood-education/>

Program Outcomes

Students who successfully complete this program will be able to:

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.

Discuss the dynamics of family structure.

Involve parents and community agencies in early childhood development.

Related Instruction Requirements (17 credits)

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Oral Communication

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Computation

Choose one of the following:

BTAC 110 - Business Math Applications Credits: 5

or

MATH - Any MATH class 100 or higher Credits: 5

Human Relations

ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2

Core Requirements (71 credits)

ECED& 105 - Introduction to Early Childhood Education Credits: 5
ECED& 107 - Health, Safety and Nutrition Credits: 5
ECED& 160 - Curriculum Development in Early Childhood Education Credits: 5
ECED& 170 - Learning Environments Credits: 3
ECED& 180 - Language and Literacy Development Credits: 3
ECED& 190 - Observation and Assessment Credits: 3
ECED 141 - Foundations of Infant and Early Childhood Mental Health Credits: 3
ECED 155 - Exploring Science and Math Credits: 5
ECED 165 - Art for Children Credits: 3
ECED 175 - Music/Movement Activities Credits: 3
ECED 214 - Early Childhood Education Practicum 2 Credits: 3
ECED 215 - Early Childhood Education Practicum 3 Credits: 3
ECED 250 - Early Childhood Education Final Practicum Credits: 3
EDUC& 115 - Child Development Credits: 5
EDUC& 130 - Guiding Behavior Credits: 3
EDUC& 150 - Child, Family and Community Relationship Credits: 3
EDUC& 204 - Inclusive Education Credits: 5
EDUC& 240 - Diversity in Education Credits: 5
EDUC 245 - Challenging Behaviors in Young Children Credits: 3

Electives/Areas of Specialization (2 credits)

Any ECED or EDUC course numbered 100 or higher (See Advisor).

Notes

Last Revised

7/1/2025

Machining and Manufacturing Technology, AAS

96-107 Credits

This degree program is designed for both the new student entering the field of manufacturing and for the current employee who wishes to learn more about the knowledge and skills currently in demand by employers.

A graduate of the program will be prepared for entry into the manufacturing industry as a conventional or CNC (Computer Numerical Control) machinist trainee. Instruction covers conventional turning, milling and grinding, as well as basic programming, set up and operation of CNC machine tools. Other subjects include shop safety, reading

engineering drawings, shop mathematics, machine tool theory, inspection and surface plate techniques, as well as lean manufacturing and other skills currently required by the manufacturing industry.

Credit for hours of training is usually granted to those entering an approved apprenticeship program. Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: Bradley Chinn, bchinn@greenriver.edu or Joel Perdue, jperdue@greenriver.edu

Program Website: Machining and Manufacturing Technology | <https://www.greenriver.edu/students/academics/areas-of-interest/program-maps/trades-industrial-tech-aviation-natural-resources/machining-manufacturing-technology/>

Program Outcomes:

Students who successfully complete this program will be able to:

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned workpiece.
- Produce a manually milled workpiece.
- Produce a surface-ground workpiece.
- Produce a CNC machined workpiece.
- Use hand tools correctly and safely.
- Use precision measuring instruments correctly.
- Read blueprints correctly.
- Produce a correctly sequenced job/build plan.
- Identify and describe basic tools and project materials.

Requirements

- INDUS 111 - Welding Survey 1 Credits: 3
- MFG 101 - Introduction to Machining and Manufacturing Credits: 1-13 -Minimum 13 credits
- MFG 102 - Conventional Milling and Turning Credits: 1-13 -Minimum 13 credits
- MFG 103 - Conventional and Computer Numerical Control (CNC) Machining Level 1 Credits: 1-13 -Minimum 13 credits
- MFG 104 - Conventional and Computer Numerical Control (CNC) Machining Level 2 Credits: 1-13 -Minimum 13 credits
- or
- MFG 104 - Conventional and Computer Numerical Control (CNC) Machining Level 2 Credits: 10
- and
- MFG 107 - Fundamentals of Additive Manufacturing Credits: 3

MFG 105 - Intermediate Computer Numerical Control (CNC) Machining Credits: 1-13
-Minimum 13 credits

or

MFG 105 - Intermediate Computer Numerical Control (CNC) Machining Credits: 10

and

MFG 108 - Intermediate Additive Manufacturing Credits: 3

MFG 106 - Special Machining Practices Credits: 1-13 -Minimum 13 credits

or

MFG 106 - Special Machining Practices Credits: 10

and

MFG 109 - Advanced Additive Manufacturing Credits: 3

MFG 115 - Reading Engineering Drawings Credits: 2

MFG 162 - Applied Materials for Manufacturing Credits: 2

Related Instruction Requirements (11-20 credits)

Satisfies related instruction requirements.

Written Communication

Choose one of the following:

ENGL& 101 - English Composition I Credits: 5

ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5

Oral Communications

Choose one of the following:

Students who are planning to take CMST& 210, CMST& 220 or CMST& 230 can only count it as meeting either only the Related Instructions Oral Communication OR only the Human Relations requirements.

CMST 105 - Oral Communication for Trades Credits: 3

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Computation

MATH 70 - Pre-Algebra Credits: 5

or Eligible for MATH 72 - Elementary Algebra

Human Relations

Choose one of the following:

Students who are planning to take CMST& 210, CMST& 220 or CMST& 230 can only count it as meeting either only the Related Instructions Oral Communication OR only the Human Relations requirements.

BUS 166 - Human Relations and Work Readiness Credits: 5

CMST 106 - Human Relations for Trades Credits: 3

CMST& 210 - Interpersonal Communication Credits: 5

CMST 117 - Communication for Business and Professions Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Electives:

To enhance the learner's preparation for future employment, we recommend the following:

BTAC 111 - Introduction to Computer Literacy Credits: 5

Notes

Last Revised

7/1/2025

Mechatronics Technician, AAS

103-109 Credits

This degree program is designed for both the new student entering the field of machine maintenance and for the current maintenance employee who wishes to learn more about the knowledge and skills currently in demand by employers.

A graduate of the program will be prepared for entry into the installation, maintenance, or troubleshooting field as a Mechatronics Technician. Instruction covers the basic energy types that animate and/or control machinery. These energy types are mechanical energy (solids), hydraulics, pneumatics and electrical. The student will become familiar with machinery components that conduct, control and apply the various energy types. Additional areas of study include, mechanical fabrication, industrial and residential wiring, industrial rigging, motor logic control, electric fluid power, PLC (programmable logic controller), automation and robotics (optional industry certification, available for MTX 150 only), and an optional forklift certification. Hydraulic, pneumatic, and PLC troubleshooting is also covered.

Credit for hours of training is usually granted to those entering an approved apprenticeship program. Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: William Sciacca, wsciacca@greenriver.edu

Program Website: Mechatronics Technician |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/mechatronics-technician/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Work as a mechatronics technician.
- Demonstrate understanding OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.
- Explain the consequences of failure to comply with company and basic safety principles.

Requirements (94 credits)

- INDUS 111 - Welding Survey 1 Credits: 3
- MFG 101 - Introduction to Machining and Manufacturing Credits: 1-13 -Minimum 13 credits
- MTX 100 - Mechatronics Technician 1 Credits: 1-13 -Minimum 13 credits
- MTX 110 - Mechatronics Technician 2 Credits: 1-13 -Minimum 13 credits
- MTX 120 - Mechatronics Technician 3 Credits: 1-13 -Minimum 13 credits
- MTX 130 - Mechatronics Technician 4 Credits: 1-13 -Minimum 13 credits
- MTX 140 - Mechatronics Technician 5 Credits: 1-13 -Minimum 13 credits
- MTX 150 - Mechatronics Technician 6 Credits: 1-13 -Minimum 13 credits

Related Instruction Requirements (8-15 credits)

Satisfies related instruction requirements.

Written Communication

Choose one from the following:

- ENGL& 101 - English Composition I Credits: 5
- ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5

Human Relations (3-5 credits)

Choose one of the following:

- CMST& 101 - Introduction to Communication Credits: 5
- CMST 105 - Oral Communication for Trades Credits: 3
- CMST 106 - Human Relations for Trades Credits: 3
- CMST 117 - Communication for Business and Professions Credits: 5
- CMST& 210 - Interpersonal Communication Credits: 5
- CMST& 220 - Public Speaking Credits: 5
- CMST& 230 - Small Group Communication Credits: 5

Computation

Choose one from the following:

- MATH 70 - Pre-Algebra Credits: 5
- or eligible for MATH 72 - Elementary Algebra

Notes

Last Revised

7/1/2024

Natural Resources-Forestry, AAS

111 Credits

This degree program prepares graduates to work in a variety of outdoor careers. The growing awareness of water quality, wetland protection, reforestation, and environmentally sensitive timber harvest requires the services of technicians with a broad knowledge base. People who are trained to measure and sample the forest, its wildlife, streams and wetlands will enhance their employment opportunities. Wildlife biologists and professional foresters need technicians to efficiently produce accurate data. Park managers need knowledgeable personnel to perform maintenance duties and interpret wildland ecology for the public. Wildland firefighters are needed with current certificates of knowledge and skills.

Many Natural Resources courses are only offered one time each year. Correct course sequencing important!

Students should begin this program with eligibility for MATH 72 or higher-level math and ENGL& 101 with a grade of 2.0 or higher. Demonstrated college success or complete ST SK 110 - College Success.

Students can also earn a Natural Resources, AAS-T.

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Demonstrate the knowledge of ecosystem management techniques to develop forest management objectives related to fire ecology and restoration, riparian and wildlife management including harvest and silvicultural prescriptions.

Demonstrate knowledge of biological, abiotic and cultural ecosystems as they apply to natural resource management in today's society.

Utilize the latest technology in forest navigation, mapping, planning and implementation of forest management practices.

Demonstrate skills to accurately collect, analyze and present a variety of natural resources data collected using the latest field techniques for useful outputs.

Demonstrate good verbal and written communications to disseminate information effectively to a variety of audiences.

Requirements

General Education Classes

CMST& 220 - Public Speaking Credits: 5

ENGL& 101 - English Composition I Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

First Year

NATRS 100 - Introduction to Natural Resources Credits: 5

NATRS 114 - Chainsaw Operation and Maintenance Credits: 2

NATRS 172 - Computer Applications Overview Credits: 4

NATRS 180 - Natural Resources Measurement Credits: 6

NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8

NATRS 183 - Tree and Shrub Identification Credits: 4

NATRS 184 - Wildflower Identification Credits: 5

NATRS 192 - GIS for Natural Resources Credits: 5

NATRS 270 - Stream and Wetland Ecology Credits: 5

NATRS 290 - Internship Seminar Credits: 1

Second Year

NATRS 161 - Wildlife Habitat Management Credits: 4
NATRS 205 - Wildland Recreation Credits: 4
NATRS 210 - Introduction to Soils Credits: 4
NATRS 284 - Road and Trail Engineering Credits: 7
NATRS 286 - Natural Resources Business Principles Credits: 5
NATRS 292 - Resource Sampling and Appraisal of Forest Condit Credits: 8
NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Capstone

Complete Capstone courses in summer quarter

NATRS 277 - Natural Resources Internship 1 Credits: 4
NATRS 278 - Natural Resources Internship 2 Credits: 4
NATRS 279 - Natural Resources Internship 3 Credits: 3
NATRS 280 - Natural Resources Internship 4 Credits: 3

To enhance the student's preparation for future employment, the following are recommended:

AVIA 123 - Aviation Weather Credits: 5
ENGR 106 - Introduction to Engineering Problems Credits: 3
GEOL 117 - Natural Disasters with Lab Credits: 5
HL ED 190 - Standard First Aid/CPR Credits: 3
NATRS 130 - Wildland Firefighter Training L-180 S-130/190 and ICS series Credits: 5
NATRS 262 - GIS Tools in the Field Credits: 5
NATRS 263 - Cartography Credits: 5
NATRS 198 - Independent Study-Natural Resources 1 Credits: 1-5
NATRS 199 - Independent Study-Natural Resources 2 Credits: 1-5
NATRS 297 - Independent Study-Natural Resources 4 Credits: 1-5
NATRS 298 - Independent Study-Natural Resources 5 Credits: 1-5
NATRS 299 - Independent Study-Natural Resources 6 Credits: 1-5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication
ENGL& 101

Oral Communication
CMST& 220

Computations
NATRS 180

Human Relations
NATRS 286

Notes

Last Revised

7/1/2021

Natural Resources-Geographic Information Systems, AAS

119 Credits

The Geographic Information Systems degree option prepares graduates to work outside collecting data using field equipment and field applications such as Global Positioning Systems (GPS), Avenza, and ESRI's field tools. Students will also process their field data and use other entities' data to produce Geographic Information Systems (GIS) generated maps and mapping products. Requirements for field experience with this degree are consistent with the Natural Resources BAS agreement.

Many Natural Resources courses are only offered one time each year. Correct course sequencing important!

Students should begin this program with eligibility for MATH 72 or higher-level math and ENGL& 101 with a grade of 2.0 or higher. Demonstrated college success or complete ST SK 110 - College Success.

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Demonstrate the knowledge of ecosystem management techniques to develop forest management objectives related to fire ecology and restoration, riparian and wildlife management including harvest and silvicultural prescriptions.

- Demonstrate knowledge of biological, abiotic and cultural ecosystems as they apply to natural resource management in today's society.

Utilize the latest technology in forest navigation, mapping, planning and implementation of forest management practices.
Demonstrate skills to accurately collect, analyze and present a variety of natural resources data collected using the latest field techniques for useful outputs.
Demonstrate good verbal and written communications to disseminate information effectively to a variety of audiences.
Complete spatial analysis using various techniques and operations.
Integrate data collection with spatial analysis to create mapping products.
Understand geographic and cartographic principles and apply them to geospatial technology.

Requirements

General Education Classes

CMST& 220 - Public Speaking Credits: 5
ENGL& 101 - English Composition I Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

Natural Resources Classes

First Year

NATRS 100 - Introduction to Natural Resources Credits: 5
NATRS 172 - Computer Applications Overview Credits: 4
NATRS 180 - Natural Resources Measurement Credits: 6
NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8
NATRS 183 - Tree and Shrub Identification Credits: 4
NATRS 184 - Wildflower Identification Credits: 5
NATRS 192 - GIS for Natural Resources Credits: 5
NATRS 270 - Stream and Wetland Ecology Credits: 5
NATRS 290 - Internship Seminar Credits: 1

Second Year

NATRS 161 - Wildlife Habitat Management Credits: 4
NATRS 205 - Wildland Recreation Credits: 4
NATRS 210 - Introduction to Soils Credits: 4
NATRS 262 - GIS Tools in the Field Credits: 5
NATRS 263 - Cartography Credits: 5
NATRS 284 - Road and Trail Engineering Credits: 7
NATRS 286 - Natural Resources Business Principles Credits: 5
NATRS 292 - Resource Sampling and Appraisal of Forest Condit Credits: 8
NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Capstone

Complete capstone courses in summer quarter.

NATRS 277 - Natural Resources Internship 1 Credits: 4

NATRS 278 - Natural Resources Internship 2 Credits: 4

NATRS 279 - Natural Resources Internship 3 Credits: 3

NATRS 280 - Natural Resources Internship 4 Credits: 3

To enhance the student's preparation for future employment, the following are recommended:

GEOL 117 - Natural Disasters with Lab Credits: 5

GEOG 120 - Introduction to Physical Geography Credits: 5

NATRS 114 - Chainsaw Operation and Maintenance Credits: 2

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

ENGL& 101

Oral Communication

CMST& 220

Computations

NATRS 180

Human Relations

NATRS 286

Notes

Last Revised

7/1/2022

Natural Resources-Park Management, AAS

121-123 Credits

This degree program prepares graduates to work in state, private, county, municipal, and federal parks as assistant park rangers and in associated positions. Park management includes interpreting plant and animal ecology to the general public. Park

rangers are responsible for constructing and maintaining trails, campgrounds, and facilities. They collect fees, explain and enforce park rules, and promote public safety.

Many Natural Resources courses are only offered one time each year. Correct course sequencing important!

Students should begin this program with eligibility for MATH 72 or higher-level math and ENGL& 101 with a grade of 2.0 or higher. Demonstrated college success or complete ST SK 110 - College Success.

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Demonstrate the knowledge of ecosystem management techniques to develop forest management objectives related to fire ecology and restoration, riparian and wildlife management including harvest and silvicultural prescriptions.

- Demonstrate knowledge of biological, abiotic and cultural ecosystems as they apply to natural resource management in today's society.

- Utilize the latest technology in forest navigation, mapping, planning and implementation of forest management practices.

- Demonstrate skills to accurately collect, analyze and present a variety of natural resources data collected using the latest field techniques for useful outputs.

- Demonstrate good verbal and written communications to disseminate information effectively to a variety of audiences.

- Demonstrate competence in assessing recreational needs in the context of environmental considerations in recreational settings.

- Demonstrate ability to safely and effectively work in recreational environments.

Requirements

General Education Classes

- CMST& 220 - Public Speaking Credits: 5

- ENGL& 101 - English Composition I Credits: 5

- ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

- GEOL& 101 - Introduction to Physical Geology Credits: 5

- and

- SOC& 101 - Introduction to Sociology Credits: 5

- or

NATRS 123 - Backcountry Watershed and Forest Assessment Credits: 12

Natural Resources Classes

First Year

NATRS 100 - Introduction to Natural Resources Credits: 5
NATRS 114 - Chainsaw Operation and Maintenance Credits: 2
NATRS 172 - Computer Applications Overview Credits: 4
NATRS 180 - Natural Resources Measurement Credits: 6
NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8
NATRS 183 - Tree and Shrub Identification Credits: 4
NATRS 184 - Wildflower Identification Credits: 5
NATRS 192 - GIS for Natural Resources Credits: 5
NATRS 270 - Stream and Wetland Ecology Credits: 5
NATRS 290 - Internship Seminar Credits: 1

Second Year

NATRS 161 - Wildlife Habitat Management Credits: 4
NATRS 205 - Wildland Recreation Credits: 4
NATRS 210 - Introduction to Soils Credits: 4
NATRS 284 - Road and Trail Engineering Credits: 7
NATRS 286 - Natural Resources Business Principles Credits: 5
NATRS 292 - Resource Sampling and Appraisal of Forest Condit Credits: 8
NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Capstone

Complete capstone courses in summer quarter.

NATRS 277 - Natural Resources Internship 1 Credits: 4
NATRS 278 - Natural Resources Internship 2 Credits: 4
NATRS 279 - Natural Resources Internship 3 Credits: 3
NATRS 280 - Natural Resources Internship 4 Credits: 3

To enhance the student's preparation for future employment, we recommend the following:

AVIA 123 - Aviation Weather Credits: 5
GEOL 117 - Natural Disasters with Lab Credits: 5
HL ED 190 - Standard First Aid/CPR Credits: 3
NATRS 262 - GIS Tools in the Field Credits: 5
NATRS 263 - Cartography Credits: 5
NATRS 198 - Independent Study-Natural Resources 1 Credits: 1-5

NATRS 199 - Independent Study-Natural Resources 2 Credits: 1-5
NATRS 271 - Stream and Wetland Restoration Credits: 5
NATRS 298 - Independent Study-Natural Resources 5 Credits: 1-5
NATRS 299 - Independent Study-Natural Resources 6 Credits: 1-5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication
ENGL& 101

Oral Communication
CMST& 220

Computations
NATRS 180

Human Relations
NATRS 286

Notes

Last Revised

7/1/2024

Natural Resources-Water Quality, AAS

131-133 Credits

This degree program prepares graduates to work in a variety of outdoor careers. Graduates monitor stream, lake, and wetland systems for water quality and functions of physical, biological, and chemical parameters. They identify plants and animals using taxonomic keys. They assist wetlands delineation and GPS/map their location. Graduates also apply and follow environmental regulations regarding stream and wetland protection.

Many Natural Resources courses are only offered one time each year. Correct course sequencing important!

Students should begin this program with eligibility for MATH 72 or higher-level math and ENGL& 101 with a grade of 2.0 or higher. Demonstrated college success or complete ST SK 110 - College Success.

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Demonstrate the knowledge of ecosystem management techniques to develop forest management objectives related to fire ecology and restoration, riparian and wildlife management including harvest and silvicultural prescriptions.

Demonstrate knowledge of biological, abiotic and cultural ecosystems as they apply to natural resource management in today's society.

Utilize the latest technology in forest navigation, mapping, planning and implementation of forest management practices.

Demonstrate skills to accurately collect, analyze and present a variety of natural resources data collected using the latest field techniques for useful outputs.

Demonstrate good verbal and written communications to disseminate information effectively to a variety of audiences.

Use water sampling techniques including water chemistry, profile and cross sectional analysis as well as habitat components of streams

Understand keystone salmonid ecology and interactions with PNW ecology and culture.

Identify healthy streams and reaches with restoration potential and be able to list the key steps required to restore habitat back to reference reach conditions.

Requirements

General Education Classes

CMST& 220 - Public Speaking Credits: 5

ENGL& 101 - English Composition I Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

GEOL& 101 - Introduction to Physical Geology Credits: 5 and

SOC& 101 - Introduction to Sociology Credits: 5 or

NATRS 123 - Backcountry Watershed and Forest Assessment Credits: 12

Natural Resources Classes

First Year

NATRS 100 - Introduction to Natural Resources Credits: 5

NATRS 114 - Chainsaw Operation and Maintenance Credits: 2

NATRS 172 - Computer Applications Overview Credits: 4

NATRS 180 - Natural Resources Measurement Credits: 6

NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8
NATRS 183 - Tree and Shrub Identification Credits: 4
NATRS 184 - Wildflower Identification Credits: 5
NATRS 192 - GIS for Natural Resources Credits: 5
NATRS 270 - Stream and Wetland Ecology Credits: 5
NATRS 290 - Internship Seminar Credits: 1

Second Year

NATRS 161 - Wildlife Habitat Management Credits: 4
NATRS 205 - Wildland Recreation Credits: 4
NATRS 210 - Introduction to Soils Credits: 4
NATRS 271 - Stream and Wetland Restoration Credits: 5
NATRS 272 - Fish Identification and Habitat Credits: 5
NATRS 284 - Road and Trail Engineering Credits: 7
NATRS 286 - Natural Resources Business Principles Credits: 5
NATRS 292 - Resource Sampling and Appraisal of Forest Condit Credits: 8
NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Capstone

Complete capstone courses in summer quarter.

NATRS 277 - Natural Resources Internship 1 Credits: 4
NATRS 278 - Natural Resources Internship 2 Credits: 4
NATRS 279 - Natural Resources Internship 3 Credits: 3
NATRS 280 - Natural Resources Internship 4 Credits: 3

To enhance the student's preparation for future employment, the following are recommended:

Any course in Biology, Chemistry, and Geology
AVIA 123 - Aviation Weather Credits: 5
GEOL 117 - Natural Disasters with Lab Credits: 5
HL ED 190 - Standard First Aid/CPR Credits: 3
NATRS 262 - GIS Tools in the Field Credits: 5
NATRS 263 - Cartography Credits: 5
NATRS 198 - Independent Study-Natural Resources 1 Credits: 1-5
NATRS 199 - Independent Study-Natural Resources 2 Credits: 1-5
NATRS 297 - Independent Study-Natural Resources 4 Credits: 1-5
NATRS 298 - Independent Study-Natural Resources 5 Credits: 1-5
NATRS 299 - Independent Study-Natural Resources 6 Credits: 1-5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication
ENGL& 101

Oral Communication
CMST& 220

Computations
NATRS 180

Human Relations
NATRS 286

Notes

Last Revised

7/1/2021

Natural Resources-Wildland Fire, AAS

116 Credits

This degree program prepares graduates to perform fire prevention and educational activities. They serve as crew members or leaders of aerial, engine, or ground wildland fire crews.

Many Natural Resources courses are only offered one time each year. Correct course sequencing important!

Students should begin this program with eligibility for MATH 72 or higher-level math and ENGL& 101 with a grade of 2.0 or higher. Demonstrated college success or complete ST SK 110 - College Success.

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Demonstrate the knowledge of ecosystem management techniques to develop forest management objectives related to fire ecology and restoration, riparian and wildlife management including harvest and silvicultural prescriptions.

Demonstrate knowledge of biological, abiotic and cultural ecosystems as they apply to natural resource management in today's society.

Utilize the latest technology in forest navigation, mapping, planning and implementation of forest management practices.

Demonstrate skills to accurately collect, analyze and present a variety of natural resources data collected using the latest field techniques for useful outputs.

Demonstrate good verbal and written communications to disseminate information effectively to a variety of audiences.

Utilize knowledge of Fire Behavior, Fireline Leadership and the concepts of Lookouts, Communication, Escape Routes and Safety Zones (LCES) to assess risk, plan and conduct appropriate actions in incident response and self-management.

Demonstrate basic fire suppression tactics in the field, awareness of structure protection in the Urban Interface and the safe use of hand tools, hose lays, pumps and other fire suppression equipment.

Understand and explain the function of the Incident Command System, identify the various positions, explain their functions and how they interact with each other.

Requirements

General Education Classes

CMST& 220 - Public Speaking Credits: 5
ENGL& 101 - English Composition I Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

Natural Resources Classes

First Year

NATRS 100 - Introduction to Natural Resources Credits: 5
NATRS 114 - Chainsaw Operation and Maintenance Credits: 2
NATRS 130 - Wildland Firefighter Training L-180 S-130/190 and ICS series Credits: 5
NATRS 172 - Computer Applications Overview Credits: 4
NATRS 180 - Natural Resources Measurement Credits: 6
NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8
NATRS 183 - Tree and Shrub Identification Credits: 4
NATRS 184 - Wildflower Identification Credits: 5
NATRS 270 - Stream and Wetland Ecology Credits: 5
NATRS 192 - GIS for Natural Resources Credits: 5

NATRS 205 - Wildland Recreation Credits: 4

NATRS 290 - Internship Seminar Credits: 1

Second Year

NATRS 161 - Wildlife Habitat Management Credits: 4

NATRS 210 - Introduction to Soils Credits: 4

NATRS 284 - Road and Trail Engineering Credits: 7

NATRS 286 - Natural Resources Business Principles Credits: 5

NATRS 292 - Resource Sampling and Appraisal of Forest Condit Credits: 8

NATRS 293 - Silvicultural Analysis and Forest Protection Credits: 5

Capstone

Complete capstone courses in summer quarter.

NATRS 277 - Natural Resources Internship 1 Credits: 4

NATRS 278 - Natural Resources Internship 2 Credits: 4

NATRS 279 - Natural Resources Internship 3 Credits: 3

NATRS 280 - Natural Resources Internship 4 Credits: 3

To enhance the student's preparation for future employment, the following are recommended:

AVIA 123 - Aviation Weather Credits: 5

ENGR 106 - Introduction to Engineering Problems Credits: 3

GEOL 117 - Natural Disasters with Lab Credits: 5

HL ED 190 - Standard First Aid/CPR Credits: 3

NATRS 198 - Independent Study-Natural Resources 1 Credits: 1-5

NATRS 199 - Independent Study-Natural Resources 2 Credits: 1-5

NATRS 205 - Wildland Recreation Credits: 4

NATRS 262 - GIS Tools in the Field Credits: 5

NATRS 263 - Cartography Credits: 5

NATRS 297 - Independent Study-Natural Resources 4 Credits: 1-5

NATRS 298 - Independent Study-Natural Resources 5 Credits: 1-5

NATRS 299 - Independent Study-Natural Resources 6 Credits: 1-5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

ENGL& 101

Oral Communication

CMST& 220

Computation
NATRS 180

Human Relations
NATRS 286

Notes

Last Revised

7/1/2024

Occupational Therapy Assistant, AAS

105 Credits

Occupational therapy is a health discipline that provides services to people whose lives have been disrupted by physical injury, illness, and developmental, psychosocial, or aging-related problems. "Occupational" in this sense does not necessarily refer to a person's employment. Instead, it means therapy that enables a person to gain the function necessary to perform day-to-day work, self-care and leisure activities as related to one's roles. Occupational therapy assistants are often part of a health team that not only includes an occupational therapist but may also include physicians, nurses, social workers, teachers, physical therapists and other specialists. Besides preparing to become occupational therapy assistants, students in this program learn many skills that will serve in other helping careers. Occupational Therapy Practitioners work with individuals across the life span, birth to death.

Occupational therapy assistants are employed at public schools, long-term care centers, hospitals, rehabilitation centers and geriatric day centers to name a few. Assistants work under the supervision and consultation of an occupational therapist to provide patient treatments. They also provide assistance with patient assessments.

The associate-degree-level occupational therapy assistant program is fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 7501 Wisconsin Avenue, Suite 510E, Bethesda, MD 20814 ACOTE's phone number c/o AOTA is (301) 652-AOTA and its Web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for occupational therapy assistants administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this examination, the graduate will be a Certified Occupational Therapy Assistant (COTA). In addition, all states require licensure in order to practice; however, state licenses are usually based on the result of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Felony convictions may affect a graduate's ability to sit for the NBCOT certification examination and attain state licensure. NBCOT offers an Early Determination Review to individuals who (1) have been charged with or convicted of felony, (2) have had any professional license, registration or certification revoked, suspended or subject to probationary conditions by a regulatory authority or certification board, and/or (3) have been found by any court, administrative or disciplinary proceeding to have committed negligence, malpractice, recklessness or willful or intentional misconduct which resulted in harm to another.

An individual who is considering entering the Green River College Occupational Therapy Assistant program or has already entered the program but is not yet eligible to apply for the certification examination, may have his/her character information reviewed prior to actually applying for the examination by requesting the review. The fee and payment form can be found on NBCOT's Website <https://www.nbcot.org/exam/edr>.

Students can choose from two academic options, as traditional full-time students that begin every fall and consists of 7 quarters of study. Or a hybrid, that begins every other (odd years) spring quarter on an evening schedule where the length of study would be 9 quarters. Level II fieldwork requirements must be completed within 18 months of academic courses. All Level I and Level II fieldwork experiences are completed during normal daytime business hours. Green River cannot guarantee placement at student geographical location and can take 90 minutes or greater (one way) for Level 1 and Level 2. In addition, students may be placed outside the Puget Sound area.

Program Application

OTA program admission requirements and the application process are subject to change from year to year. Students who declare their career path as Occupational Therapy Assistant, can apply when enrolling in their Science Course. A contingency acceptance can be granted while the Science course is being completed. While it is encouraged to take the following courses prior to starting the program, English and Math can be taken concurrently while in program. Alternatively, students can note on their application that they would like to be considered for admission AFTER all pre-requisites are taken.

All courses must be completed with a 2.0 or greater to maintain good status in the program.

Prerequisite courses for the OTA program are:

- a. BIOL& 175
- or AP 103
- or BIOL& 241

Complete an essay with specific prompt (see program website).

For shadowing or work experience requirements please see program website.

NOTE: Students who may not meet the stated entry requirements should contact the Program Faculty to learn about alternative pathways for entry into the OTA Program.

Selection Process

Students who satisfy the above requirements will be selected based on academic preparation, GPA, and familiarity with occupational therapy including the essential functions of the occupational therapy assistant student. The procedures used in selection, evaluation, and retention do not discriminate and are consistent with the process of Green River College.

Contact: Health Occupations Admissions, ext. 2641 -
healthoccadmissions@greenriver.edu

Information Session: Sign up: www.greenriver.edu/info-sessions

Program Website: Occupational Therapy Assistant |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/occupational-therapy-assistant/index.html>

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

Requirements

Traditional full-time course sequence

OTA Foundational Classes

First Quarter (Fall)

- OTA 100 - Introduction to Occupational Therapy Credits: 3
- OTA 101 - Life Span Growth and Development in Humans Credits: 3
- OTA 102 - OTA Applied Anatomy and Kinesiology Credits: 3
- OTA 103 - Applied Anatomy and Kinesiology Lab Credits: 2

OTA 111 - Fundamentals of Occupational Therapy as Health Care Providers Credits: 2

OTA 112 - Professional Skills for Healthcare Providers Lab Credits: 2

Second Quarter (Winter)

OTA 120 - Developmental Disabilities 1 Credits: 3

OTA 121 - Developmental Disabilities 1 Lab Credits: 2

OTA 122 - Physical Disabilities 1 Credits: 3

OTA 123 - Physical Disabilities 1 Lab Credits: 2

OTA 124 - Fundamentals of Gerontology Credits: 3

Third Quarter (Spring)

OTA 126 - Clinical Seminar 1 Credits: 1

OTA 127 - Clinical Seminar Lab Credits: 1

OTA 130 - Professional Advocacy Experience Credits: 1

OTA 131 - Physical Disabilities 2 Credits: 3

OTA 132 - Physical Disabilities 2 Lab Credits: 2

OTA 133 - Psychosocial Dysfunction Credits: 3

OTA 134 - Psychosocial Dysfunction Lab & Fieldwork Experience Credits: 1

OTA 128 - Application of Occupational Therapy Assistant 1 Credits: 1 *

Fourth Quarter (Fall)

OTA Advanced Practice Classes

OTA 200 - Developmental Disabilities 2 Credits: 1 *

OTA 201 - Developmental Disabilities 2 Lab Credits: 2

OTA 202 - Ethics, Society, and Professional Practice Credits: 3

OTA 210 - Therapeutic Practices in Occupational Therapy Credits: 3

OTA 211 - Therapeutic Practices Clinical Skills Training Credits: 2

OTA 212 - Therapeutic Group Leadership Credits: 1

OTA 213 - Therapeutic Group Leadership Lab Credits: 1

Note:

OTA 202 satisfies Human Relations Related Instruction requirement.

Fifth Quarter (Winter)

OTA 220 - Therapeutic Activities 2 Credits: 1

OTA 221 - Therapeutic Group Activities 2 Lab Credits: 2

OTA 222 - Clinical Seminar 2 Credits: 1

OTA 223 - Application of OTA Co-op Experience 2 Credits: 1 *

OTA 224 - Therapeutic Adaptations Credits: 2

OTA 225 - Application of Therapeutic Activities Credits: 3

OTA 228 - Pre-Fieldwork Experience Seminar Credits: 2

Sixth Quarter (Spring)

Level II Fieldwork Classes

OTA 240 - Fieldwork Experience Seminar 1 Credits: 1

OTA 245 - Co-op Fieldwork Experience 1 Credits: 11

Seventh Quarter (Summer)

OTA 241 - Fieldwork Experience Seminar 2 Credits: 1

OTA 246 - Co-op Fieldwork Experience 2 Credits: 11

Hybrid course sequence

Hybrid course sequence

Program Degree Requirements:

One of the following:

BIOL& 175 - Human Biology with Lab Credits: 5

AP 103 - Essentials of Human Anatomy and Physiology 1 Credits: 5

BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication (5 credits)

ENGL& 101 - English Composition I Credits: 5

Or an AP score of 4 or 5 on the English Language/Composition exam

Or a score of 5-7 on the International Baccalaureate (IB) English test

Computation (5 credits)

MATH 70 - Pre-Algebra Credits: 5 or higher or TS/TS-OD 56.

Or an AP score of 3-5 on the following tests: Calculus AB, Calculus BC, and Statistics

Or IB Mathematics HL or SL of 5-7

Electives:

(Instructor's permission required)

Notes

* Clinical hours off campus during the day hours required.

OTA students must earn a minimum grade of 2.0 in all required classes or an appropriate test score equivalencies as substitution.

Last Revised

7/1/2025

Physical Therapist Assistant, AAS

107 Credits

This degree program awards an Associate in Applied Science degree and is accredited by the Commission on Accreditation in Physical Therapy education. Once students begin PTA classes, they typically complete the program in two years with 107 credits, depending on previous college work. PTA program courses must be taken in sequence and are only offered to students who are accepted into the PTA Program. The program admits a cohort up to 32 each fall quarter. Admission is by application and applicants are evaluated based on academic preparation and familiarity with physical therapy.

PTA program students must earn a minimum of 2.0 in all required courses. After graduating from the program students are eligible to apply for licensure and sit for the PTA licensing examination, which is given nationally. Most states require licensure of PTAs and may have requirements in addition to the licensure examination. Washington State requires PTA licensure.

The PTA, under the supervision of a licensed physical therapist, treats individuals with physical limitations to relieve pain and restore function. Physical therapist assistants work in hospitals, rehabilitation centers, school systems, private physical therapy practices, home health care agencies, and sports medicine facilities. Prospective students must complete the admissions prerequisites and apply for the Physical Therapist Assistant program.

Application Requirements

Please refer to the PTA program website at www.instruction.greenriver.edu/PTA for the most current information about application requirements or register for an information session.

The required prerequisites are as follows

Human Anatomy and Physiology 1 and 2

The prerequisite requires 10 quarter-credits (or equivalent) of human anatomy and physiology with a lab. The minimum courses meeting this requirement at GRC are AP 103 and AP 104. BIOL& 241 (AP I) and BIOL& 242 (AP II) also meet this prerequisite.

The selection and clinical placement process

Students who satisfy the above requirements will be selected based on academic preparation, placement scores, GPA, and familiarity or experience with physical therapy or closely-related field requirements. Please access the website <http://www.instruction.greenriver.edu/PTA/> or consult the Pre-PTA Program Advisor for the most current information.

Clinical placements occur in the second year of the program and students must be able to provide all the proper on-boarding documentation and requirements for the various clinical sites, which are site specific and are general requirements for the clinical educational and experience courses within the PTA program. This includes but is not limited to the following: immunizations, vaccinations, CPR, mandatory reporting and national and state background checks. Any concerns regarding these requirements can be discussed with the academic coordinator of clinical education.

Note Regarding Open Enrollment

Information Session Sign up: www.greenriver.edu/info-sessions

Program Website: Physical Therapist Assistant |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/physical-therapist-assistant/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

Requirements

First Year

- PTA 101 - Introduction to Physical Therapy Credits: 2
- PTA 104 - Applied Anatomy Credits: 3
- PTA 164 - Applied Anatomy Lab for PTA Credits: 3
- PTA 105 - Patient Care Skills Part I Credits: 2
- PTA 130 - Introduction to Pathology 1 Credits: 2

- PTA 102 - Health Professional and Patient Interaction Credits: 2
- PTA 110 - Principles of Physical Agents 1 Credits: 1
- PTA 160 - Principles of Physical Agents 1 Lab Credits: 3
- PTA 114 - Fundamentals of Tests and Measures Credits: 3
- PTA 115 - Posture, Gait and Movement Credits: 1
- PTA 131 - Introduction to Pathology 2 Credits: 2
- PTA 163 - Posture, Gait and Movement Lab Credits: 2

- PTA 106 - Neuroscience Credits: 2
- PTA 166 - Neuroscience Lab Credits: 2
- PTA 107 - Procedures of Patient Care 2 Credits: 1
- PTA 111 - Principles of Physical Agents 2 Credits: 3
- PTA 161 - Principles of Physical Agents 2 Lab Credits: 3
- PTA 151 - Preparation for Clinical Experience Credits: 1

Second Year

- PTA 205 - Functional Training Credits: 3
- PTA 210 - Therapeutic Exercise Credits: 2
- PTA 260 - Therapeutic Exercise Lab Credits: 3
- PTA 212 - Acute Care Credits: 1
- PTA 262 - Acute Care Lab Credits: 2
- PTA 251 - Clinical Education 1 Credits: 1
- PTA 278 - Clinical Experience 1 Credits: 3

- PTA 201 - Current Trends in Physical Therapy Practice Credits: 2
- PTA 211 - Neurological Rehabilitation Credits: 2
- PTA 213 - Orthopedic Physical Therapy Credits: 2
- PTA 220 - Pediatric Rehabilitation Credits: 1
- PTA 221 - Pediatric Rehabilitation Lab Credits: 1
- PTA 261 - Neurological Rehabilitation Lab Credits: 3
- PTA 263 - Orthopedic Therapy Lab Credits: 3

- PTA 252 - Clinical Education 2 Credits: 2
- PTA 279 - Clinical Experience 2 Credits: 6
- PTA 280 - Clinical Experience 3 Credits: 7

Program Degree Requirements:

AP 103 - Essentials of Human Anatomy and Physiology 1 Credits: 5 * **and**

AP 104 - Essentials of Human Anatomy and Physiology 2 Credits: 5

or

BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5 **and**

BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Oral Communication

Any 5 credits of communication studies (CMST/CMST&)

Computation

MATH - Any college-level MATH class 100 or higher Credits: 5

Human Relations

PTA 251 - Clinical Education 1 Credits: 1

PTA 252 - Clinical Education 2 Credits: 2

Notes

Last Revised

7/1/2024

Practical Nursing, AAS

90 Credits

This degree program prepares a student to provide safe and efficient nursing care. Health facilities such as hospitals, nursing homes, clinics and public health nursing services employ practical nurses under the supervision of a registered nurse or physician.

The Practical Nursing program is a 90-credit program in which students must demonstrate academic proficiency by completing basic curriculum requirements prior to entry into the core sequence of nursing classes. A minimum grade of 2.5 or higher is required in each nursing and supporting course, an overall GPA of 3.0 is required. Evidence of academic proficiency is established by completion of each of the following prerequisite requirements with a 2.5 grade or higher. Courses without an "&" may not be transferable.

The following courses are required **prior** to applying into the Practical Nursing program:

BIOL& 241 and BIOL& 242 Anatomy & Physiology I & II (10 credits);

BIOL& 160 - General Biology with Lab (5 credits) or BIOL& 211 - Majors Cellular 6 cr.

Communication Studies (5 credits). Choose from CMST& 101, CMST& 210, CMST& 220, CMST& 230 or CMST 240

ENGL& 101 - English Composition I (5 credits)

MATH& 146 - Introduction to Statistics or MATH 256 - Statistics for Business and Social Science (5 credits)

NUTR& 101 - Nutrition (5 credits)

PSYC& 100 - General Psychology (5 credits)

PSYC& 200 - Lifespan Psychology (5 credits)

The student is expected to provide his/her own transportation to off-site clinical facilities that at times can be 50 or more miles away. In addition to paying for tuition and books, the student is required to purchase a uniform, pin, white shoes, watch, bandage, scissors, and liability and health insurance. In order to attend clinical rotations, students must also successfully pass both a criminal and a Washington State Department of Social and Health Services background check. For additional information about a required nursing orientation and the application procedure, contact the Nursing Advisor, at ext. 2641.

Upon successful completion of the required credits, the student will earn an Associate in Applied Science degree in Practical Nursing. The graduate will be eligible to take the licensing examination and upon passing, practice as a Licensed Practical Nurse. Application for LPN licensure asks for information regarding legal convictions, and drug/alcohol and addiction conditions that may inhibit nursing practice. For additional questions on this issue, contact the Washington State Nursing Care Quality Assurance Commission. The program is fully accredited by the National League for Nursing Commission for Nursing Education Accreditation and Washington State Nursing Care Quality Assurance Commission and the Northwest Commission on Colleges and Universities.

Contacts: Nursing Advisor; 253-833-9111, ext. 2641 or nursing@greenriver.edu or Adam Brown, ext. 6042, abrown@greenriver.edu

Information Session Sign up: www.greenriver.edu/info-sessions

Program Website: Nursing | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/nursing/index.html>

Program Outcomes

Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.

Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse

Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.

Integrate quality improvement activities and advocacy skills to enhance client care.

Utilize information technology and supportive resources to improve client care processes within the healthcare system.

Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

Requirements

Option 1: Full-time LPN Program (Face-to-face)

First Quarter (15 credits)

PNURSE 102 - Foundations of Nursing Credits: 6

PNURSE 103 - Foundations of Nursing Lab Credits: 1-3 (3 credits required)

PNURSE 104 - Mental Health in Nursing Credits: 3

PNURSE 105 - Foundations of Nursing Clinical Credits: 2

PNURSE 107 - Foundations of Nursing Simulation Credits: 1

Second Quarter (15 credits)

PNURSE 112 - Med-Surg Nursing I Credits: 5

PNURSE 113 - Med-Surg Nursing I Lab Credits: 1-2 (2 credits required)

PNURSE 114 - Pediatric Nursing and Reproductive Health Credits: 4

PNURSE 115 - Med-Surg Nursing I Clinical Credits: 3

PNURSE 117 - Med-Surg Nursing I Simulation Credits: 1

Third Quarter (15 credits)

PNURSE 122 - Med-Surg Nursing II Credits: 6

PNURSE 123 - Med-Surg Nursing II Lab Credits: 2

PNURSE 125 - Med-Surg Nursing II Clinical Credits: 4
PNURSE 126 - Transition to Practice Credits: 2
PNURSE 127 - Med-Surg Nursing II Simulation Credits: 1

Option 2: Part-time LPN Program (Hybrid)

First Quarter (9 credits)

PNURSE 102 - Foundations of Nursing Credits: 6
PNURSE 103 - Foundations of Nursing Lab Credits: 1-3 (3 credits required)

Second Quarter (6 credits)

PNURSE 104 - Mental Health in Nursing Credits: 3
PNURSE 105 - Foundations of Nursing Clinical Credits: 2
PNURSE 107 - Foundations of Nursing Simulation Credits: 1

Third Quarter (7 credits)

PNURSE 112 - Med-Surg Nursing I Credits: 5
PNURSE 113 - Med-Surg Nursing I Lab Credits: 1-2 (2 credits required)

Fourth Quarter: (8 credits)

PNURSE 114 - Pediatric Nursing and Reproductive Health Credits: 4
PNURSE 115 - Med-Surg Nursing I Clinical Credits: 3
PNURSE 117 - Med-Surg Nursing I Simulation Credits: 1

Fifth Quarter (8 credits)

PNURSE 122 - Med-Surg Nursing II Credits: 6
PNURSE 123 - Med-Surg Nursing II Lab Credits: 2

Sixth Quarter (7 credits)

PNURSE 125 - Med-Surg Nursing II Clinical Credits: 4
PNURSE 126 - Transition to Practice Credits: 2
PNURSE 127 - Med-Surg Nursing II Simulation Credits: 1

Medical Assistant to PN Option Requirements

This option is designed for students who are already Medical Assistant-Certified. The students enrolling in the MA to PN program will receive credit for prior learning. Upon

completion of the program, they will have completed the required 90 credits for the Practical Nursing AAS with 2 credits CPLA applied.

Option 3: Full-time MA to LPN Program (Face-to-face)

First Quarter (15 credits)

PNURSE 102 - Foundations of Nursing Credits: 6
PNURSE 103 - Foundations of Nursing Lab Credits: 1-3 (1 credit PLA)
MNURS 103 - Foundations of Nursing Lab Credits: 2
PNURSE 104 - Mental Health in Nursing Credits: 3
PNURSE 105 - Foundations of Nursing Clinical Credits: 2
PNURSE 107 - Foundations of Nursing Simulation Credits: 1

Second Quarter (15 credits)

PNURSE 112 - Med-Surg Nursing I Credits: 5
PNURSE 113 - Med-Surg Nursing I Lab Credits: 1-2 (1 credit PLA)
MNURS 113 - Med-Surg Nursing I Lab Credits: 1
PNURSE 114 - Pediatric Nursing and Reproductive Health Credits: 4
PNURSE 115 - Med-Surg Nursing I Clinical Credits: 3
PNURSE 117 - Med-Surg Nursing I Simulation Credits: 1

Third Quarter (15 credits)

PNURSE 122 - Med-Surg Nursing II Credits: 6
PNURSE 123 - Med-Surg Nursing II Lab Credits: 2
PNURSE 125 - Med-Surg Nursing II Clinical Credits: 4
PNURSE 126 - Transition to Practice Credits: 2
PNURSE 127 - Med-Surg Nursing II Simulation Credits: 1

Option 4: Part-time MA to LPN Program (Hybrid)

First Quarter (9 credits)

PNURSE 102 - Foundations of Nursing Credits: 6
PNURSE 103 - Foundations of Nursing Lab Credits: 1-3 (1 credit PLA)
MNURS 103 - Foundations of Nursing Lab Credits: 2

Second Quarter (6 credits)

PNURSE 104 - Mental Health in Nursing Credits: 3
PNURSE 105 - Foundations of Nursing Clinical Credits: 2
PNURSE 107 - Foundations of Nursing Simulation Credits: 1

Third Quarter (7 credits)

PNURSE 112 - Med-Surg Nursing I Credits: 5

PNURSE 113 - Med-Surg Nursing I Lab Credits: 1-2 (1 credit PLA)

MNURS 113 - Med-Surg Nursing I Lab Credits: 1

Fourth Quarter: (8 credits)

PNURSE 114 - Pediatric Nursing and Reproductive Health Credits: 4

PNURSE 115 - Med-Surg Nursing I Clinical Credits: 3

PNURSE 117 - Med-Surg Nursing I Simulation Credits: 1

Fifth Quarter (8 credits)

PNURSE 122 - Med-Surg Nursing II Credits: 6

PNURSE 123 - Med-Surg Nursing II Lab Credits: 2

Sixth Quarter (7 credits)

PNURSE 125 - Med-Surg Nursing II Clinical Credits: 4

PNURSE 126 - Transition to Practice Credits: 2

PNURSE 127 - Med-Surg Nursing II Simulation Credits: 1

Program Degree Requirements:

Students must have a grade of 2.5 or higher in the following prerequisites/supporting courses:

BIOL& 160 - General Biology with Lab Credits: 5

or

BIOL& 211 - Majors Cellular Credits: 6

BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5

and

BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5

CMST& 101 - Introduction to Communication Credits: 5

or

CMST& 210 - Interpersonal Communication Credits: 5

or

CMST& 220 - Public Speaking Credits: 5

or

CMST& 230 - Small Group Communication Credits: 5

or

CMST& 240 - Intercultural Communication Credits: 5

ENGL& 101 - English Composition I Credits: 5

MATH& 146 - Introduction to Statistics Credits: 5

or

MATH 256 - Statistics for Business and Social Science Credits: 5

NUTR& 101 - Nutrition Credits: 5

PSYC& 100 - General Psychology Credits: 5

PSYC& 200 - Lifespan Psychology Credits: 5

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Oral Communication

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

CMST& 240 - Intercultural Communication Credits: 5

Computation

Choose one of the following:

MATH& 146 - Introduction to Statistics Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

Human Relations

PNURSE 102 - Foundations of Nursing Credits: 6

Notes

University of Washington courses (BIOL 118-5 credits, BIOL 119-1 credit and NURS 301-4 credits) meet the BIOL& 241 and BIOL& 242 BSN degree requirements at GRC.

Last Revised

7/1/2023

Wastewater Technology, AAS

90 Credits

This degree program prepares graduates for positions in municipal wastewater collection systems and treatment facilities. Along with appropriate operating experience, this degree provides a foundation for positions with responsibilities beyond the entry level. The requirements build on those for the Wastewater Technology-Municipal Wastewater Treatment Technology Certificate, which should generally be completed first.

For more information, please visit the program website

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/water-wastewater-technology/index.html>

Program Outcomes:

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

Requirements

BIOL& 100 - Survey of Biology Credits: 5

or

ENV S 204 - Natural Science and the Environment Credits: 5

CHEM& 161 - General Chemistry with Lab I Credits: 6

CHEM& 162 - General Chemistry with Lab II Credits: 6

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
WTECH 181 - Water Hydraulics Credits: 3
WTECH 182 - Pumps and Pumping Systems Credits: 3
WTECH 183 - Utility Worker Safety Credits: 3
WTECH 184 - Disinfection and Chemical Feed Systems Credits: 3
WTECH 187 - Drawings and Manuals Credits: 3
WTECH 188 - Water and Wastewater Electrical Credits: 3
WTECH 191 - Pre-Employment Seminar Credits: 3
WWT 177 - Wastewater Work Experience Credits: 1-12 - Minimum 11 credits
WWT 180 - Wastewater Collection Credits: 3
WWT 185 - Municipal Wastewater Treatment 1 Credits: 3
WWT 186 - Municipal Wastewater Treatment 2 Credits: 3
WWT 188 - Wastewater Laboratory Credits: 2

Choose one from the following:

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 118 - Basics for Online Education Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 184 - Internet and Basic Web Design Credits: 5

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Computation

Choose one of the following:

MATH& 107 - Math in Society Credits: 5
MATH& 141 - PreCalculus I Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5

Notes

Last Revised

7/1/2015

Water Supply Technology, AAS

90 Credits

This degree program prepares graduates for positions in municipal drinking water distribution and treatment facilities. Along with appropriate operating experience, this degree provides a foundation for positions with responsibilities beyond the entry level. The requirements build on those for the Water Distribution Technology Certificate of Proficiency, which should generally be completed first.

For more information, please visit the program website

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/water-wastewater-technology/index.html>

Program Outcomes

- Identify characteristics of source water used to provide public drinking water through municipal water distribution and water treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

Requirements

BIOL& 100 - Survey of Biology Credits: 5
or
GEOL& 101 - Introduction to Physical Geology Credits: 5

CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
WTECH 181 - Water Hydraulics Credits: 3
WTECH 182 - Pumps and Pumping Systems Credits: 3
WTECH 183 - Utility Worker Safety Credits: 3
WTECH 184 - Disinfection and Chemical Feed Systems Credits: 3
WTECH 187 - Drawings and Manuals Credits: 3
WTECH 188 - Water and Wastewater Electrical Credits: 3
WTECH 191 - Pre-Employment Seminar Credits: 3
WST 177 - Wastewater Cooperative Education Credits: 1-12 - Minimum 8 credits
WST 180 - Water Distribution Credits: 3
WST 183 - Water Sources Credits: 1
WST 184 - Water Regulations Credits: 2
WST 185 - Water Treatment 1 Credits: 3
WST 186 - Water Treatment 2 Credits: 3
WST 188 - Water Laboratory Credits: 2

Choose one from the following:

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 118 - Basics for Online Education Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 184 - Internet and Basic Web Design Credits: 5

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5

Computation

Choose one from the following:

MATH& 107 - Math in Society Credits: 5

MATH& 141 - PreCalculus I Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

Notes

Last Revised

7/1/2015

Welding Technology, AAS

94-104 Credits

Upon completion of the two-year program, the student will qualify for an Associate in Applied Science degree. This training will permit the student to seek employment in the welding field as an engineering aide, sales engineer, and structural steel detailer or trade welder. The student will be prepared to advance rapidly to inspection, shop planning, supervision or one of many related fields. With the proper selection of courses, the student can continue his/her education to become a welding engineer. Consultation with the Welding department is required for admission to the program.

Students may enter the Welding Technology program during any quarter, as space is available.

Contacts: Scott Schreiber - sschreiber@greenriver.edu, Ben Orr - borr@greenriver.edu, Justin Pitt - jpitt@greenriver.edu

Program Website:

Welding Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/welding-technology/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Work as an industry standard trade welder.

Demonstrate OSHA and WISHA standards for safety in the workplace.

Use multiple welding processes in all positions.

Identify the cause and effect of various welding processes per welding procedure (WPS).

Discuss basic theory of welding and the related equipment.

Conform to AWS and WABO qualification procedures.

Requirements

First Year

MATH 70 - Pre-Algebra Credits: 5

or

Eligible for MATH 72

Human Relations - Any course that satisfies the Human Relations Credits: 3-5

Oral Communication - Any course that satisfies the Oral Communication Credits: 3-5

WELD 141 - Basic Arc Weld and Flame Cutting Credits: 1-13

WELD 142 - Intermediate Welding Credits: 1-13

WELD 143 - Advanced Arc Welding Credits: 1-13

Second Year

ENGL& 101 - English Composition I Credits: 5

or

ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5

MFG 162 - Applied Materials for Manufacturing Credits: 2

WELD 107 - Basic Blueprint Reading Credits: 3

WELD 194 - Special Welding Project 1 Credits: 1-13

WELD 195 - Special Welding Project 2 Credits: 1-13

WELD 196 - Special Welding Project 3 Credits: 1-13

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication

Choose one from the following:

ENGL& 101 - English Composition I Credits: 5

ENGL 109 - Writing for Trades and Career/Technical Degrees Credits: 5

Oral Communication

Choose one from the following: Students who are planning to take CMST& 210, 217, 220, 230 or 240 can only count it as meeting either only the Related Instructions Oral Communication OR only the Human Relations requirements.

CMST 105 - Oral Communication for Trades Credits: 3
CMST& 210 - Interpersonal Communication Credits: 5
CMST 117 - Communication for Business and Professions Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5

Computation

Choose one of the following:

MATH 70 - Pre-Algebra Credits: 5
or
Eligible for MATH 72 - Elementary Algebra

Human Relations

Choose one of the following:

BUS 166 - Human Relations and Work Readiness Credits: 5
CMST 106 - Human Relations for Trades Credits: 3
CMST& 210 - Interpersonal Communication Credits: 5
CMST 117 - Communication for Business and Professions Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5

Notes

For scheduling or transferability reasons, other courses from the current list of Related Instruction Requirements may be substituted. Student must possess a valid first aid card or similar Washington State L&I Training Card upon exiting the program.

Last Revised

7/1/2022

Associate in Applied Science Degree-Transfer

Criminal Justice, AAS-T

90 Credits

The Criminal Justice degree program is a broad discipline, encompassing the scientific study of crime, criminals, the criminal justice system, treatment of offenders and theories of crime causation from an interdisciplinary perspective. Students should contact a criminal justice advisor in order to create a customized program of study.

Many criminal justice students continue their academic careers; some others seek employment with a variety of criminal justice agencies; other students are returning law enforcement officers updating their skills and education.

Criminal Justice Students may gain employment in local, county, state and federal law enforcement agencies, correctional facilities, probation and parole agencies or juvenile detentions and probation.

Students interested in transfer should consult the transfer institution catalog or transfer department.

Contact: Jashon Banks Sr - jbanks@greenriver.edu, Michelle Williams - mwilliams@greenriver.edu

Program Website:

Criminal Justice | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/criminal-justice/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

This degree can lead to a large number of career possibilities, some of which may include what you find at the right. The majority of these jobs require a bachelor's degree, and this degree can assist you with earning that bachelor's degree.

Required Core Classes (45 credits)

Students must attain a grade of 2.0 or above in all core classes.

- CJ& 101 - Introduction to Criminal Justice Credits: 5

- CJ& 105 - Introduction to Corrections Credits: 5

- CJ& 106 - Juvenile Justice Credits: 5

CJ& 110 - Criminal Law Credits: 5
CJ& 112 - Criminology Credits: 5
CJ 200 - Constitutional Law Credits: 5
CJ 205 - Criminal Evidence Credits: 5
CJ 220 - Race and Class in Criminal Justice Credits: 5
CJ 236 - Policing Credits: 5

Related Instruction Requirements (35 credits)

Satisfies related instruction requirements.

Written Communication (10 credits)

ENGL& 101 - English Composition I Credits: 5

Choose one English course from the following (5 credits):

ENGL 126 - Writing: Humanities Credits: 5
ENGL 127 - Writing: Social Science Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL& 235 - Introduction to Technical Communication Credits: 5

Oral Communication & Human Relations (5 credits):

Choose one of the following:

CMST& 210 - Interpersonal Communication Credits: 5
CMST& 230 - Small Group Communication Credits: 5

Computations (5 credits):

MATH& 107 - Math in Society Credits: 5
OR any college-level MATH class **Credits / Units: 5**

Natural Science (10 credits)

Select any two courses from at least two separate areas of Natural Science Distribution courses. Five credits must be from List A, including a minimum of 5 credits from lab sciences. The additional 5 credits can be from List A or List B. courses designated with ① symbol, must be included.

N 1 - Natural Science List A (Lab) Credits: 5
N 3 - Natural Science List A or List B Credits: 5

Additional General Education (5 credits)

Select any course from Humanities/Fine Arts/English Distribution, Social Science Distribution or Natural Science Distribution courses.

H 1 - Humanities/Fine Arts/English Credits: 5

N 3 - Natural Science List A or List B Credits: 5

S 1 - Social Science Credits: 5

Electives:

Select 10 credits from the following courses to total 90 credits.

AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5

BTAC 100 - Fundamentals of Computers Credits: 5

Any criminal justice CJ/CJ& course

PHOTO 101 - Beginning Black and White Photography Credits: 5

PHOTO 102 - Intermediate Photography Credits: 5

PHOTO 111 - Beginning Digital Photography Credits: 5

PHOTO 112 - Intermediate Digital Photography Credits: 5

PHOTO 113 - Advanced Digital Photography Credits: 5

POLS& 101 - Introduction to Political Science Credits: 5

POLS& 202 - United States Government Credits: 5

PSYC& 100 - General Psychology Credits: 5

PSYC& 200 - Lifespan Psychology Credits: 5

PSYC 240 - Social Psychology Credits: 5

SOC 215 - Survey of Criminology Credits: 5

SOC 252 - Drugs and Society Credits: 5

SOC 260 - Crime and Justice Credits: 5

SOC 271 - Deviance, Power, and Social Control Credits: 5

Any world language course (ARAB, CHIN, FRCH, GERM, JAPN, SPAN etc.)

Notes

Last Revised

7/1/2024

Criminal Justice-Forensic, AAS-T

90 Credits

The Criminal Justice- Forensic degree program introduces individuals who wish to gain employment in areas such as police support, crime scene investigations, and fingerprint and trace evidence examination to the field of Forensic Science. Forensics or criminalistics is concerned with the recognition, identification, individualization, and evaluation of physical evidence using the methods of the natural sciences. Some of the

major areas of this specialty include forensic medicine, toxicology, serology, anthropology, and odontology, trace evidence (hair, fibers, glass, etc.), documentary evidence, ballistics, explosives, accelerants, and fingerprint processing and examination.

Many forensic students continue their academic careers by transferring; some others seek employment with a variety of criminal justice agencies.

Forensic students may gain employment in areas such as police support, crime scene investigations, fingerprint technology. Employers include local, state and federal organizations as well as private industry.

Students interested in transfer should consult the transfer institution catalog or transfer department.

Contact: Jashon Banks Sr - jbanks@greenriver.edu, Michelle Williams - mwilliams@greenriver.edu

Program Website: Criminal Justice | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/criminal-justice/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

Required core classes (35 credits)

Students must attain a grade of 2.0 or above in CJ classes.

- CJ& 101 - Introduction to Criminal Justice Credits: 5
- CJ& 110 - Criminal Law Credits: 5
- CJ 115 - Fingerprint Science Credits: 5
- CJ 200 - Constitutional Law Credits: 5
- CJ 205 - Criminal Evidence Credits: 5
- CJ 220 - Race and Class in Criminal Justice Credits: 5
- CJ& 240 - Introduction to Forensic Science Credits: 5

Related Instruction Requirements (40 credits):

Satisfies related instruction requirements.

Written Communication (10 credits):

ENGL& 101 - English Composition I Credits: 5

Choose one from the following Writing courses (5 credits):

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

ENGL& 235 - Introduction to Technical Communication Credits: 5

Oral Communication & Human Relations (5 credits):

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Computation (5 credits):

MATH& 107 - Math in Society Credits: 5

Or any college level MATH class **Credits / Units: 5**

Natural Science & Humanities/Fine Arts/English (20 credits):

BIOL& 160 - General Biology with Lab Credits: 5

BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5

BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5

PHOTO 111 - Beginning Digital Photography Credits: 5

Electives: (15 credits)

AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5

ANTH& 100 - Survey of Anthropology Credits: 5

ANTH& 205 - Biological Anthropology Credits: 5

ANTH& 236 - Forensic Anthropology Credits: 5

BIOL& 100 - Survey of Biology Credits: 5

BIOL& 211 - Majors Cellular Credits: 6

BTAC 140 - Records Management Credits: 5

BTAC 250 - Office Relations and Procedures Credits: 5

CHEM& 110 - Chemical Concepts with Lab Credits: 5

CHEM& 121 - Introduction to Chemistry Credits: 5

CHEM& 140 - General Chemistry Prep with Lab Credits: 6

Any criminal justice CJ/CJ& course

PHOTO 101 - Beginning Black and White Photography Credits: 5

PHOTO 102 - Intermediate Photography Credits: 5

PHOTO 112 - Intermediate Digital Photography Credits: 5

PHOTO 113 - Advanced Digital Photography Credits: 5

PSYC& 100 - General Psychology Credits: 5

PSYC& 220 - Psychological Disorders Credits: 5

PSYC 240 - Social Psychology Credits: 5

Any physics (PHYS/PHYS&) course

Notes

Last Revised

7/1/2025

Cybersecurity and Networking, AAS-T

92 Credits

This degree program prepares students for entry into an Information Technology-Cybersecurity and Networking, BAS degree program at Green River College. In addition, this applied associate's degree program prepares students for entry-level employment in a variety of IT positions, such as help desk technician, technical support specialist, network technician, and network or computer systems administrator.

Students in this degree program receive foundational training in a broad range of networking, systems administration, and scripting, resulting in a balanced, well-rounded knowledge of information technology and cybersecurity. In addition to these specialized courses, students learn key interpersonal communication skills sought by employers.

Contact: itdegrees@greenriver.edu

Program Website: Cybersecurity and Networking | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/cybersecurity-networking/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems.
Understand security principles, system and network vulnerabilities, and common mitigation practices.
Understand and demonstrate basic programming and database constructs.
Understand network infrastructure, logic, and troubleshooting procedures.

Related Instruction Requirements (25 credits)

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Choose one of the following:

ENGL& 235 - Introduction to Technical Communication Credits: 5
ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
ENGL 126 - Writing: Humanities Credits: 5
ENGL 127 - Writing: Social Science Credits: 5

Computation

Choose one of the following:

MATH 108 - Contemporary Math for Information Technology Credits: 5
or any math class MATH& 107 or higher

Human Relations and Diversity

Choose one of the following:

CMST& 240 - Intercultural Communication Credits: 5
Or any 5 credit General Education course which also meets the diversity requirement.

General Education Requirements (5 credits)

BUS& 101 - Introduction to Business Credits: 5
or any Natural Science Distribution, Social Science Distribution or Humanities/Fine Arts/English Distribution.

Core Requirements (67 credits)

CS 108 - Data Science Foundations Credits: 5

or
CS 109 - Data Science for Social Good Credits: 5

or
IT 102 - Scripting for Cybersecurity Credits: 5

IT 114 - IT and Cybersecurity Essentials Credits: 5
IT 131 - Introduction to Networks Credits: 5
IT 135 - CompTIA Security+ Certification Preparation Credits: 5
IT 160 - Windows Server Administration Credits: 5
IT 190 - Introduction to Linux Operating System Security Credits: 5

IT 201 - Database Fundamentals Credits: 5
or
SDEV 201 - SQL for Data Analytics Credits: 5

IT 210 - Routing and Switching Essentials Credits: 7
IT 214 - Cisco Certified Support Technician Cybersecurity Certification Preparation Credits: 5
IT 224 - Windows Automation and Scripting Credits: 5
IT 244 - CompTIA Cloud+ Certification Preparation Credits: 5
IT 245 - Identity and Access Management Credits: 5
IT 295 - CompTIA Project+ Certification Preparation Credits: 5

Notes

Last Updated

7/1/2024

Data Analytics and Software Development, AAS-T

90 Credits

Data analysts collect, transform, analyze, and visualize data to communicate results that inform and guide decision making. The Data Analytics and Software Development program prepares students to become data practitioners. The program also delivers a strong foundation for students planning on continuing their education in the Information Technology-Software Development, BAS (applied baccalaureate), Marketing and Entrepreneurship, BAS, or Applied Management, BAS degree programs at Green River College.

Contact: For more information, please visit www.greenriver.edu/data or email software@greenriver.edu.

Program Website: Data Analytics & Software Development |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/data-analytics-software-development/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Solve data-related problems using a programming language.
- Extract data from a database using a relational database language.
- Demonstrate the ability to acquire, clean, and prepare data for analysis.
- Perform basic data analysis techniques such as filtering, aggregation, and joins.
- Produce and interpret data visualizations to describe, explore, and communicate insights from data.
- Understand and demonstrate basic programming and database constructs.
- Create a portfolio using web technologies to showcase their project artifacts.

Related Instruction Requirements

Satisfies related instruction requirements.

Written Communication (10 credits)

ENGL& 101 - English Composition I Credits: 5

Choose one of the following:

- ENGL 126 - Writing: Humanities Credits: 5
- ENGL 127 - Writing: Social Science Credits: 5
- ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
- ENGL& 235 - Introduction to Technical Communication Credits: 5

Computation (10 credits)

Choose one course in precalculus or calculus:

- MATH& 141 - PreCalculus I Credits: 5
- MATH& 142 - PreCalculus II Credits: 5
- MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
- MATH& 148 - Business Calculus Credits: 5
- MATH& 151 - Calculus I Credits: 5

Choose one course in statistics:

- MATH& 146 - Introduction to Statistics Credits: 5
- MATH 256 - Statistics for Business and Social Science Credits: 5

Human Relations (5 credits)

Choose one of the following:

- CMST& 101 - Introduction to Communication Credits: 5
- CMST& 210 - Interpersonal Communication Credits: 5
- CMST& 220 - Public Speaking Credits: 5
- CMST& 230 - Small Group Communication Credits: 5
- CMST& 240 - Intercultural Communication Credits: 5

Natural Science (5 credits)

Any Natural Science Distribution course with a lab. Credits: 5

Core Requirements (35 credits)

CS 108 - Data Science Foundations Credits: 5

or

CS 109 - Data Science for Social Good Credits: 5

SDEV 101 - Data Analytics Technologies Credits: 5

SDEV 106 - Front-End Web Development Credits: 5

SDEV 117 - Web Programming with JavaScript Credits: 5

SDEV 121 - Python for Data Analytics Credits: 5

SDEV 201 - SQL for Data Analytics Credits: 5

or

IT 201 - Database Fundamentals Credits: 5

SDEV 280 - Data Analytics Capstone Credits: 5

Focus Area Requirements (15 credits)

Choose one of the following focus areas:

Software Development Focus

The software development focus provides students exposure to computer science fundamentals using Java and prepares students for continued study in the Information Technology-Software Development, BAS program.

CS 121 - Computer Programming 1 Credits: 5

CS 122 - Computer Programming 2 - Java Objects Credits: 5

CS 123 - Computer Programming 3 - Java Data Structures Credits: 5

Business Management Focus

The business management focus provides students exposure to a common application of data analytics and prepares students for continued study in the Applied Management, BAS program or in the Marketing and Entrepreneurship, BAS program.

BUS& 101 - Introduction to Business Credits: 5

BUS 121 - Marketing Fundamentals Credits: 5

ACCT 110 - Practical Accounting 1 Credits: 5

or

ACCT& 201 - Principles of Accounting I Credits: 5

Students who are interested in pursuing the Applied Management, BAS program are advised to take BUS 258 - Principles of Management and Supervision as one of their elective courses.

Electives (10 credits)

Ten credits of any college courses numbered 100 or higher.

Notes:

Last Revised

7/1/2025

Early Childhood Education and Diversity Studies, AAS-T

90 Credits

This Associate in Applied Science-Transfer (AAS-T) is a dual-purpose degree built upon the technical courses required for job preparation. It includes college-level general Education courses, enabling the student to transfer to a select number of baccalaureate institutions.

Students completing the AAS-T Early Childhood Education and Diversity Studies degree will also earn three separate State ECE Stackable Certificates. The completion of the degree and certificate program prepares graduates to seek employment in childcare centers, Head Start, family child care homes, private preschools, children's home, institutions and other programs serving children from birth through 8 years of age. This curriculum provides meaningful instruction for parents, foster parents, and persons working with young children/students as ECE teachers, instructional aides, or Paraeducators. Emphasizes the implications for classroom practices and developing a plan for incorporating anti-bias attitudes and practices into an educational setting.

Basic Requirements

All transfer degrees, have basic requirements for graduation:

Completion of 90 applicable college level quarter credit hours

GRC cumulative GPA must be a minimum of 2.00. **Note:** A higher admission GPA may be required at the receiving institution

Transfer credits with less than "D" grades are not counted to satisfy a graduation requirement

At least 24 of the 90 quarter credits for a degree must be completed in residence at Green River College

Students must complete all Early Childhood Education (ECED/ECED&) and Education (EDUC/EDUC&) course with a grade of 2.0 or higher.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education |

<https://www.greenriver.edu/students/academics/areas-of-interest/program-maps/education-law-social-science/early-childhood-education/>

Program Outcomes

Students who successfully complete this program will be able to:

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.

Discuss the dynamics of family structure.

Involve parents and community agencies in early childhood development.

Related Instruction Requirements (12 credits)

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Computation

MATH - Any MATH class 100 or higher Credits: 5

Human Relations

ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2

General Education Requirements (15 credits)

Courses in Humanities/Fine Arts/English Distribution, Social Science Distribution, or Natural Science Distribution categories. Must choose ONE course from the Diversity Course List.

H 1 - Humanities/Fine Arts/English Credits: 5

S 1 - Social Science Credits: 5

N 3 - Natural Science List A or List B Credits: 5

D 1 - Diversity Credits: 1 course

Core Requirements (57 credits)

Students must attain a grade of 2.0 or above in all core classes.

ECED& 105 - Introduction to Early Childhood Education Credits: 5

ECED& 107 - Health, Safety and Nutrition Credits: 5

ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2

ECED& 160 - Curriculum Development in Early Childhood Education Credits: 5

ECED& 170 - Learning Environments Credits: 3

ECED& 180 - Language and Literacy Development Credits: 3

ECED& 190 - Observation and Assessment Credits: 3

EDUC& 115 - Child Development Credits: 5

EDUC& 130 - Guiding Behavior Credits: 3

EDUC& 150 - Child, Family and Community Relationship Credits: 3

EDUC& 204 - Inclusive Education Credits: 5

EDUC& 240 - Diversity in Education Credits: 5

EDUC 245 - Challenging Behaviors in Young Children Credits: 3

EDUC 210 - Assisting Practicum Credits: 3

or

ECED 214 - Early Childhood Education Practicum 2 Credits: 3

ECED 141 - Foundations of Infant and Early Childhood Mental Health Credits: 3

ECED 250 - Early Childhood Education Final Practicum Credits: 3

Electives (6 credits)

Any ECED/EDUC course not included in core.

Notes

Last Revised

7/1/2025

Early Childhood Education Paraeducator, AAS-T

90 Credits

Paraeducators are a valuable asset for teachers in providing support and assistance in instruction and other direct services to students, and in helping to ensure a positive, safe, and supportive learning community. Based on the Washington State Paraeducator standards, the program provides students with the training needed to work as effective members of instructional teams. Core competencies covered in this program prepare paraeducators to effectively support and extend instruction and services, thereby increasing student learning. These core competencies revolve around the areas of instructional strategies, behavior management, and human growth and development. The coursework is offered partially online, as well as in the classroom, drawing on the expertise of local professionals and schools.

This is a dual-purpose degree program that is intended to prepare students for employment as paraeducators with transfer options to **specific** baccalaureate degree programs.

Students must complete all Early Childhood Education (ECED/ECED&) and Education (EDUC/EDUC&) course with a grade of 2.0 or higher.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/areas-of-interest/program-maps/education-law-social-science/early-childhood-education/>

Program Outcomes

Students who successfully complete this program will be able to:

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.
- Use reinforcement, motivation and data collection to facilitate positive behavioral support and assist in instruction and learning.
- Demonstrate performance indicators associated with the Core Competencies for Paraeducators in Washington State.

Requirements

Related Instruction Requirements (23 credits)

Satisfies related instruction requirements.

Written Communication (10 credits)

ENGL& 101 - English Composition I Credits: 5

Choose one from the following:

ENGL 126 - Writing: Humanities Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

Oral Communication (5 credits)

Choose one of the following:

CMST& 101 - Introduction to Communication Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5

Computation (5 credits)

Select one 5-credit course from the following

MATH& 107 - Math in Society Credits: 5
MATH 108 - Contemporary Math for Information Technology Credits: 5
MATH& 141 - PreCalculus I Credits: 5
MATH& 146 - Introduction to Statistics Credits: 5
MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
MATH& 148 - Business Calculus Credits: 5
MATH& 131 - Mathematics for Elementary Education 1 Credits: 5
MATH& 132 - Mathematics for Elementary Education 2 Credits: 5

Human Relations (3 credits)

EDUC 210 - Assisting Practicum Credits: 3

Humanities (5 credits)

H 1 - Humanities/Fine Arts/English Credits: 5

Social Science (10 credits)

PSYC& 100 - General Psychology Credits: 5
Plus, additional 5 credits within the Social Science Distribution.

Natural Science (10 credits)

10 credits within the Natural Science Distribution List A or B

Electives (7 credits)

All courses numbered 100 or higher may be taken as electives, except Basic Skills and no more than 3 credits Physical Education. Courses should include preparation for a major and/or general interest/leisure-time activity.

Program Core (35 credits)

Students must complete all Early Childhood Education (ECED/ECED&) and Education (EDUC/EDUC&) course with a grade of 2.0 or higher.

ECED 112 - Technology in Education Credits: 3

EDUC& 115 - Child Development Credits: 5

EDUC& 130 - Guiding Behavior Credits: 3

ECED 141 - Foundations of Infant and Early Childhood Mental Health Credits: 3

ECED 142 - Trauma Informed Principles and Practices in Early Childhood Education
Credits: 3

EDUC& 204 - Inclusive Education Credits: 5

EDUC& 205 - Introduction to Education with Field Experience Credits: 5

EDUC& 240 - Diversity in Education Credits: 5

EDUC 245 - Challenging Behaviors in Young Children Credits: 3

Notes

You must consult with an appropriate advisor to obtain information on specific requirements of the receiving baccalaureate institution.

Some courses may have prerequisites. See course catalog for descriptions.

Last Revised

7/1/2025

Mechatronics Theory and Application, AAS-T

90 Credits

This degree program is designed for students that wish to take Mechatronics, and upon graduating flow into a bachelor's program in the field of Mechatronics and/or Automation.

A graduate of the program will be prepared for theory and application of various principles of Mechatronics. Instruction covers the basic energy types that animate and/or control machinery. These energy types are mechanical energy (solids), hydraulics, pneumatics and electrical. The student will become familiar with machinery components that conduct, control, and apply the various energy types. Additional areas of study include, industrial wiring, industrial rigging, motor logic control, electric fluid power, PLC (programmable logic controller), automation and robotics (optional industry certification, available for MTX 150 only), and an optional forklift certification.

Credit for hours of training is usually granted to those entering an approved apprenticeship program. Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: William Sciacca, wsciacca@greenriver.edu

Program Website: Mechatronics Technician |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/mechatronics-technician/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Work as a mechatronics technician.

- Demonstrate understanding OSHA and WISHA standards for safety in the workplace.

- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.

- Explain the consequences of failure to comply with company and basic safety principles.

Program core course list (48 credits)

8 credits per course

- MTX 100 - Mechatronics Technician 1 Credits: 1-13

- MTX 110 - Mechatronics Technician 2 Credits: 1-13

- MTX 120 - Mechatronics Technician 3 Credits: 1-13

- MTX 130 - Mechatronics Technician 4 Credits: 1-13

- MTX 140 - Mechatronics Technician 5 Credits: 1-13

- MTX 150 - Mechatronics Technician 6 Credits: 1-13

General Education Requirements (42 credits)

English (5 credits)

Choose one from the following:

- ENGL& 101 - English Composition I Credits: 5

- ENGL& 235 - Introduction to Technical Communication Credits: 5

Communications (10 credits)

- CMST& 101 - Introduction to Communication Credits: 5

- CMST& 230 - Small Group Communication Credits: 5

Mathematics (10 credits)

Choose from the following:

MATH& 107 - Math in Society Credits: 5
MATH& 141 - PreCalculus I Credits: 5
MATH& 142 - PreCalculus II Credits: 5
MATH& 151 - Calculus I Credits: 5
MATH& 152 - Calculus II Credits: 5
MATH& 163 - Calculus III Credits: 5

Social Science, Natural Science or Humanities (17 credits)

Choose from the following:

ART& 100 - Art Appreciation Credits: 5
CHEM& 121 - Introduction to Chemistry Credits: 5
CHEM& 140 - General Chemistry Prep with Lab Credits: 6
CHEM& 161 - General Chemistry with Lab I Credits: 6
CHEM& 162 - General Chemistry with Lab II Credits: 6
CS& 131 - Computer Science I C++ Credits: 5
ENGR 100 - Careers in Engineering Credits: 2
ENGR& 104 - Introduction to Design Credits: 5
ENGR 106 - Introduction to Engineering Problems Credits: 3
ENGR& 204 - Electrical Circuits Credits: 5
HIST& 136 - U.S. History I Credits: 5
HIST& 137 - U.S. History II Credits: 5
PHYS& 110 - Physics Non-Science Majors with Lab Credits: 5
PHYS& 221 - Engineering Physics I with Lab Credits: 5
PHYS& 222 - Engineering Physics II with Lab Credits: 5
PHYS& 223 - Engineering Physics III with Lab Credits: 5
PSYC& 100 - General Psychology Credits: 5

Notes

Last Updated

7/1/2023

Natural Resources, AAS-T

95 Credits

This pre-professional degree prepares students to transfer to a college or university program as juniors in several Natural Resources areas. By developing academic skills in mathematics, science, English, humanities, and natural resource courses, the student can transfer directly into a professional program such as natural resources management,

forest engineering, or wildlife biology. Selected natural resource courses will transfer to these four-year programs.

While this program of study is designed to transfer to most four-year professional programs in Natural Resources or closely related fields, you should consult the catalog of the school to which you plan to transfer. The university catalog requirements will provide the guidance for substitutions and be approved by the Natural Resources instructor/advisor. Some professional schools require a foreign language.

Natural Resources instructor advising required for this degree, due to the irregularities of different college and university requirements.

Program Coordinator: Jessyka Williams, jrwilliams@greenriver.edu

Program Website: Natural Resources

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/natural-resources/index.html>

Program Outcomes:

Students who successfully complete this program will be able to:

- Demonstrate the knowledge of ecosystem management techniques to develop forest management objectives related to fire ecology and restoration, riparian and wildlife management including harvest and silvicultural prescriptions.

- Demonstrate knowledge of biological, abiotic and cultural ecosystems as they apply to natural resource management in today's society.

- Utilize the latest technology in forest navigation, mapping, planning and implementation of forest management practices.

- Demonstrate skills to accurately collect, analyze and present a variety of natural resources data collected using the latest field techniques for useful outputs.

- Demonstrate good verbal and written communications to disseminate information effectively to a variety of audiences.

A minimum of 95 credits must be earned from the following categories:

Natural Resources Core (36 credits)

- NATRS 100 - Introduction to Natural Resources Credits: 5

- NATRS 172 - Computer Applications Overview Credits: 4

- NATRS 180 - Natural Resources Measurement Credits: 6

- NATRS 182 - Aerial Photos, GIS and Forest Navigation Credits: 8

- NATRS 183 - Tree and Shrub Identification Credits: 4

- NATRS 184 - Wildflower Identification Credits: 5

- NATRS 210 - Introduction to Soils Credits: 4

English (10 credits)

ENGL& 101 - English Composition I Credits: 5

ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5

Humanities (20 credits)

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

PHIL& 115 - Critical Thinking Credits: 5

H 1 - Humanities/Fine Arts/English Credits: 5 (no additional CMST course)

Mathematics (5 credits)

Choose one from the following:

MATH& 141 - PreCalculus I Credits: 5

MATH& 142 - PreCalculus II Credits: 5

MATH& 151 - Calculus I Credits: 5

MATH& 152 - Calculus II Credits: 5

MATH 256 - Statistics for Business and Social Science Credits: 5

Natural Science (15 credits)

BIOL 110 - Northwest Ecology Credits: 5

BIOL& 211 - Majors Cellular Credits: 6

BIOL& 212 - Majors Animal Credits: 6

CHEM& 121 - Introduction to Chemistry Credits: 5

CHEM& 131 - Introduction to Organic Chemistry and Biochemistry Credits: 5

GEOL& 101 - Introduction to Physical Geology Credits: 5

PHYS& 110 - Physics Non-Science Majors with Lab Credits: 5

GEOL& 208 - Geology of the Pacific Northwest Credits: 5

Social Science (5 credits)

Choose one from the following:

ECON& 201 - Micro Economics Credits: 5

ECON& 202 - Macro Economics Credits: 5

GEOG 120 - Introduction to Physical Geography Credits: 5

SOC& 101 - Introduction to Sociology Credits: 5

Additional Credits (5 credits)

BUS 202 - Introduction to Project Management Credits: 5

Notes

Last Revised

7/1/2023

Certificates

Accounting Certificate

35-40 Credits

Focuses on foundational accounting skills for persons seeking entry-level employment in the accounting/bookkeeping industry or those who wish to add specialty credentials to a previously earned degree. Core skills include the ability to perform basic bookkeeping procedures, use QuickBooks and Excel, and perform payroll accounting procedures. Credits earned in this certificate can be applied to the Accounting, AAA degree. Students in this program must complete all required accounting classes with a grade of 2.0 or higher. Students must earn a cumulative GPA of 2.0 or higher.

Contacts: Pat Carter, pcarter@greenriver.edu, Jeanette Fohn, jfohn@greenriver.edu, Nicole Wetter, nicole.wetter@greenriver.edu

Program Website: Accounting |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/accounting/>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/accounting/>

Program Outcomes

Students who successfully complete this program will be able to:

- Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.
- Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.
- Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.
- Use general ledger computerized software to perform bookkeeping/accounting functions including preparation of financial statements and accounting reports for a small to medium sized business.
- Perform accounting procedures employed in a typical payroll accounting system including preparation of periodic tax forms and timely remittance of tax payments.
- Utilize appropriate technology, including word processing and spreadsheet applications, to input, manage, summarize, and interpret business information and to develop forms and reports to assist management in planning operations, identifying potential problems, and controlling business activities.

Prepare individual Federal Income tax returns and utilize computerized tax software. Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

Core Requirements

ACCT 110 - Practical Accounting 1 Credits: 5 *
ACCT 111 - Practical Accounting 2 Credits: 5 *
ACCT 212 - QuickBooks for Accounting Credits: 5
ACCT 221 - Payroll Accounting Credits: 5
BUS& 101 - Introduction to Business Credits: 5
BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 110 - Business Math Applications Credits: 5
BTAC 162 - Introduction to Excel Credits: 5

Notes

* ACCT& 201 - *Principles of Accounting I*, may be substituted for ACCT 110 and ACCT 111.

Last Revised

7/1/2022

Accounting Clerk Certificate

15 Credits

Students will learn the basic of accounting, business math, and computer technologies to start their way toward a job as an accounting clerk. Students must complete all required accounting classes with a grade of 2.0 or higher. Students must earn a cumulative G.P.A. of 2.0 or higher.

Dual Credit and Academic Credit for Prior Learning- Students who have completed classes at another school with a GRC CTE Dual Credit agreements or students who pursue and obtain Academic Credit for Prior Learning may be able to apply those credits towards a degree or certificate. Students will need to work with an academic advisor for confirmation.

Contacts: Pat Carter, pcarter@greenriver.edu, Jeanette Fohn, jfohn@greenriver.edu, Nicole Wetter, nicole.wetter@greenriver.edu

Program Website: Accounting |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/accounting/>

Core Requirements

ACCT 110 - Practical Accounting 1 Credits: 5 *

BTAC 100 - Fundamentals of Computers Credits: 5

BTAC 110 - Business Math Applications Credits: 5

Notes

* ACCT& 201, *Principles of Accounting I*, may be substituted for ACCT 110.

Last Revised

7/1/2014

Administrative Assistant Certificate

55-60 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning an Administrative Assistant Certificate will prepare the student for employment as an office worker in an entry-level position. These credits can be applied to any Business Technologies and Administrative Careers degree program. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Shannon Sharpe - ssharpe@greenriver.edu, Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu

Program Website: Administrative Assistant |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/administrative-assistant/>

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 102 - Intermediate Keyboarding Credits: 5 *
BTAC 112 - Beginning Word Credits: 5
BTAC 132 - Business Communication Applications Credits: 5
BTAC 140 - Records Management Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 162 - Introduction to Excel Credits: 5

Reading - Eligible for READ 104 (as determined by the appropriate placement score)

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BTAC 250 - Office Relations and Procedures Credits: 5

To enhance the student's preparation for future employment, we recommend the following:

ACCT 110 - Practical Accounting 1 Credits: 5
ACCT& 201 - Principles of Accounting I Credits: 5
ACCT 212 - QuickBooks for Accounting Credits: 5
BUS& 101 - Introduction to Business Credits: 5
BUS 164 - Entrepreneurship and Small Business Management Credits: 5

BUS 166 - Human Relations and Work Readiness Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5 *

BTAC 103 - Advanced Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 147 - Beginning Keyboarding-Alphabet Keys Credits: 1

BTAC 148 - Keyboarding-Mastering 10-Key and Symbols Credits: 1

BTAC 149 - Keyboarding-Speed and Accuracy-Skill Building Credits: 1

BTAC 151 - Word: Create, Edit and Format Documents Credits: 1

BTAC 152 - Word: Tables and Sharing Documents Credits: 1

BTAC 153 - Word: Mail Merge and Other Productivity Tools Credits: 1

BTAC 154 - Word: Create a Newsletter Credits: 1

BTAC 155 - Word: Creating Forms, Macros and Document Security Credits: 1

BTAC 163 - Advanced Excel Credits: 5

BTAC 164 - Access: Create and Modify a Database Credits: 1

BTAC 165 - Access: Use Queries to Produce Information Credits: 1

BTAC 166 - Access: Create and Modify Forms Credits: 1

BTAC 167 - Access: Create and Modify Reports Credits: 1

BTAC 177 - BTAC Work Experience 1 Credits: 1-12 †

BTAC 178 - BTAC Work Experience 2 Credits: 1-12 †

BTAC 179 - BTAC Work Experience 3 Credits: 1-12 † **and**

COOP 171 - Work Experience Seminar Credits: 1

BTAC 184 - Internet and Basic Web Design Credits: 5

BTAC 185 - Introduction to Microsoft Access Credits: 5

BTAC 187 - PowerPoint: Preparing a Presentation Credits: 1

BTAC 188 - PowerPoint: Design with Graphics and Multimedia Credits: 1

BTAC 189 - PowerPoint: Customize and Incorporate Web Features Credits: 1

BTAC 191 - Excel: Introduction to Formulas and Functions Credits: 1

BTAC 192 - Excel: Charts and Working with Large Worksheets Credits: 1

BTAC 193 - Excel as a Database Credits: 1

BTAC 194 - Excel: Data Consolidation and What-If Analysis Credits: 1

BTAC 195 - Excel: Collaboration, the Web, and Macros Credits: 1

BTAC 214 - Introduction to Information Security Credits: 5

BTAC 255 - Advanced Word Credits: 5
BTAC 266 - Inside Microsoft Office Credits: 5
ENGL 105 - Grammar and Usage Credits: 5

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through COOP classes.

Last Revised

7/1/2015

Administrative Assistant-Data Entry Certificate

15 Credits

These classes may be applied toward the two-year Associate in Applied Arts degree. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe - ssharpe@greenriver.edu

Program Website: Administrative Assistant | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

or

BTAC 102 - Intermediate Keyboarding Credits: 5

BTAC 110 - Business Math Applications Credits: 5

Last Revised

7/1/2015

Administrative Assistant-File Clerk Certificate

15 Credits

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe - ssharpe@greenriver.edu

Program Website: Administrative Assistant | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

or

BTAC 102 - Intermediate Keyboarding Credits: 5

BTAC 140 - Records Management Credits: 5

Last Revised

7/1/2014

Administrative Assistant-Office Support 1 Certificate

15 Credits

These classes may be applied toward the two-year Associate in Applied Arts degree. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Shannon Sharpe - ssharpe@greenriver.edu, Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu

Program Website: Administrative Assistant | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Requirements

BTAC 102 - Intermediate Keyboarding Credits: 5

BTAC 112 - Beginning Word Credits: 5

BTAC 130 - Business Correspondence Credits: 5

Last Revised

7/1/2014

Administrative Assistant-Office Support 2 Certificate

15 Credits

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe - ssharpe@greenriver.edu

Program Website: Administrative Assistant | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Requirements

BTAC 132 - Business Communication Applications Credits: 5

BTAC 140 - Records Management Credits: 5

or

BTAC 150 - Introduction to Windows Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

Last Revised

7/1/2015

Administrative Assistant-Records Information Clerk Certificate

25-30 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning a Records and Information Clerk Certificate will prepare the student for employment as an office worker in an entry-level position in Records Management. These classes may be applied to any Business Technologies and Administrative Careers degree program. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Lea Ann Simpson- lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe - ssharpe@greenriver.edu

Program Website: Administrative Assistant |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/administrative-assistant/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/admin-assistant-records-info-clerk/>

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 101 - Beginning Keyboarding Credits: 5 *
BTAC 111 - Introduction to Computer Literacy Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 140 - Records Management Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5

Notes

** Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.*

Last Revised

11/1/2016

Aerospace and Advanced Manufacturing: Principles of Precision Machining 1 Certificate

13 Credits

Principles of Precision Machining (PPM) Level 1 Covers conventional machining, basic blueprint reading and math, health and safety. Students spend their time divided between lecture and lab work each week with a significant amount of lab time dedicated to conventional mills and lathes. Basic computer skills are highly recommended: Windows, Internet and Email.

Entry Requirement: Instructor's permission.

Contact: Tom Tagliente - ttagliente@greenriver.edu, Brad Chinn, bchinn@greenriver.edu, or Joel Perdue, jperdue@greenriver.edu

Program Website: Machining & Manufacturing Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/machining-manufacturing-technology/index.html>

Requirements

MFG 101 - Introduction to Machining and Manufacturing Credits: 1-13

Last Revised

7/1/2014

Aerospace and Advanced Manufacturing: Principles of Precision Machining 2 Certificate

13 Credits

Principles of Precision Machining (PPM) Level 2 Covers conventional machining, intermediate blueprint reading skills, applied math skills including basic geometry and trigonometry, CNC machine programming and operation. Coursework is divided between lab assignments, lecture and reading/workbook assignments. Students spend a significant portion of the lab time dedicated to conventional mills and lathes and basic CNC programming and operations. Basic computer skills are highly recommended: Windows, Internet and Email.

Entry Requirement: MFG 102 or instructor's permission.

Contact: Tom Tagliente - ttagliente@greenriver.edu, Brad Chinn, bchinn@greenriver.edu, or Joel Perdue, jperdue@greenriver.edu

Program Website: Machining & Manufacturing Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/machining-manufacturing-technology/index.html>

Requirements

MFG 103 - Conventional and Computer Numerical Control (CNC) Machining Level 1
Credits: 1-13

Last Revised

7/1/2014

Automotive Brakes, Steering and Suspension Certificate

16 Credits

Recipients of the certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of Automotive Brakes, Steering and Suspension repair.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

Contact: ATECH@greenriver.edu

Program Website: Automotive Technology |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/automotive-technology/index.html>

Requirements

Reading requirement - Eligible for READ 104

ATECH 110 - Shop Procedures Credits: 2

ATECH 116 - Suspension and Steering Credits: 1-6 - Minimum 6 credits

ATECH 117 - Brakes Credits: 1-7 - Minimum 7 credits

Choose one from the following:

ATECH 150 - Automotive Leadership Skills 1 Credits: 1

ATECH 151 - Automotive Leadership Skills 2 Credits: 1

ATECH 152 - Automotive Leadership Skills 3 Credits: 1

ATECH 153 - Automotive Leadership Skills 4 Credits: 1

ATECH 154 - Automotive Leadership Skills 5 Credits: 1

Last Revised

1/1/2002

Automotive Electrical Systems Certificate

15 Credits

Recipients of the certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of Automotive Electrical Systems repair.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

Contact: ATECH@greenriver.edu

Program Website: Automotive Technology |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/automotive-technology/index.html>

Requirements

Reading requirement - Eligible for READ 104

ATECH 111 - Electrical and Electronics Systems Credits: 1-14 - Minimum 14 credits

Choose one from the following:

ATECH 150 - Automotive Leadership Skills 1 Credits: 1

ATECH 151 - Automotive Leadership Skills 2 Credits: 1

ATECH 152 - Automotive Leadership Skills 3 Credits: 1

ATECH 153 - Automotive Leadership Skills 4 Credits: 1

ATECH 154 - Automotive Leadership Skills 5 Credits: 1

Last Revised

7/1/2006

Automotive Engine Performance Certificate

15 Credits

Recipients of the certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of Automotive Engine Performance and Drivability repair.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

Contact: ATECH@greenriver.edu

Program Website: Automotive Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/automotive-technology/index.html>

Requirements

Reading requirement - Eligible for READ 104

ATECH 112 - Engine Performance Credits: 1-14 - Minimum 14 credits

Choose one from the following:

ATECH 150 - Automotive Leadership Skills 1 Credits: 1

ATECH 151 - Automotive Leadership Skills 2 Credits: 1

ATECH 152 - Automotive Leadership Skills 3 Credits: 1

ATECH 153 - Automotive Leadership Skills 4 Credits: 1

ATECH 154 - Automotive Leadership Skills 5 Credits: 1

Last Revised

7/1/2006

Automotive Heating and Air Conditioning Certificate

7 Credits

Recipients of the certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of Automotive Heating/Air Conditioning repair.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

Contact: ATECH@greenriver.edu

Program Website: Automotive Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/automotive-technology/index.html>

Requirements

Reading requirement - Eligible for READ 104
ATECH 118 - Heating and Air Conditioning Credits: 1-6 - Minimum 6 credits

Choose one from the following:

ATECH 150 - Automotive Leadership Skills 1 Credits: 1
ATECH 151 - Automotive Leadership Skills 2 Credits: 1
ATECH 152 - Automotive Leadership Skills 3 Credits: 1
ATECH 153 - Automotive Leadership Skills 4 Credits: 1
ATECH 154 - Automotive Leadership Skills 5 Credits: 1

Last Revised

1/1/2002

Automotive Transmission and Transaxle Certificate

13 Credits

Recipients of the certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of Automotive Transmission and Transaxle repair.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

Contact: ATECH@greenriver.edu

Program Website: Automotive Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/automotive-technology/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Demonstrate safe shop practice and hazardous material handling.
- Diagnose and repair automotive electrical systems to ASE Standards
- Diagnose and repair automotive emissions and engine performance standards to ASE Standards.
- Diagnose and repair automotive engines to ASE Standards
- Diagnose and repair automotive automatic and manual transmission/transaxle systems to ASE Standards.
- Diagnose and repair automotive steering and suspension systems to ASE Standards.
- Diagnose and repair automotive brake systems to ASE Standards.
- Diagnose and repair automotive air condition and heating systems to ASE Standards.

Requirements

Reading requirement - Eligible for READ 104

ATECH 114 - Automatic Transmission and Transaxle Credits: 1-6 - Minimum 6 credits

ATECH 115 - Manual Drive Trains and Axles Credits: 1-6 - Minimum 6 credits

Choose one from the following:

ATECH 150 - Automotive Leadership Skills 1 Credits: 1

ATECH 151 - Automotive Leadership Skills 2 Credits: 1

ATECH 152 - Automotive Leadership Skills 3 Credits: 1

ATECH 153 - Automotive Leadership Skills 4 Credits: 1

ATECH 154 - Automotive Leadership Skills 5 Credits: 1

Last Revised

7/1/2022

Aviation Technology - Air Traffic Controller Certificate

44 Credits

This certificate program prepares students for direct hire into a Federal Aviation Administration (FAA) operated air traffic control tower. The certificate follows the FAA approved academy course.

Entry Requirements:

Must be a US Citizen

Air Traffic Skills Assessment (ATSA) Well or Best Qualified Result

Tentative Offer of employment by the FAA

Must be under the age of 31 by hire date

For more information about when the program will begin, please contact George Comollo.

Contact: George Comollo - gcomollo@greenriver.edu - 253-931-6577

Program Website: Aviation Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

Requirements (44 credits)

- AVIA 111 - Private Pilot Ground School Credits: 5
- AVIA 123 - Aviation Weather Credits: 5
- AVIA 190 - Air Traffic Control Technologies Credits: 5
- AVIA 216 - Basic Instrument Pilot Ground School Credits: 5
- AVIA 281 - Air Traffic Control 1 Credits: 5
- AVIA 287 - ATC Tower Operator 1 Credits: 4
- AVIA 288 - ATC Tower Operator 2 Credits: 5
- AVIA 289 - ATC Tower Operator 3 Credits: 10

Last Revised:

7/1/2025

Aviation Technology - Airline Dispatcher Completion Certificate

30 Credits

The Airline Dispatch Degree Program prepares students for entry level jobs as Aircraft Dispatchers. Administered under Part 65, students completing this program will be

eligible to test for the FAA Aircraft Dispatchers Certificate. Students may enter this program at the beginning of any quarter. Any students wishing to test must be at least 21 years of age on or before the completion of the course.

Contact: George Comollo - gcomollo@greenriver.edu - 253-931-6577

Program Website: Aviation Technology |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/aviation-tech-airline-dispatcher/>

Program Outcomes

Students who successfully complete this program will be able to:

- Meet all FAA requirements to take the Dispatch Practical Exam
- Demonstrate their understanding of various parts of the aviation industry through tests and various critical thinking tasks.

First Quarter

- AVIA 111 - Private Pilot Ground School Credits: 5
- AVIA 123 - Aviation Weather Credits: 5

Second Quarter

- AVIA 216 - Basic Instrument Pilot Ground School Credits: 5
- AVIA 270 - Air Traffic Control Fundamentals Credits: 5

Third Quarter

- AVIA 275 - Airline Dispatch and Operations Credits: 5
- AVIA 276 - Airline Dispatch Practical Credits: 5

Last Revised

7/1/2022

Aviation Technology - Aviation Operations Management Certificate

40 Credits

This certificate provides an introduction and basic foundation of the roles, responsibilities, and aviation career opportunities including airport management, aviation management, and other jobs in the aviation industry.

For a curriculum map or suggested sequence of courses go to Aviation Technology - Aviation Operations Management Certificate Curriculum Map

Contacts: George Comollo, ext. 4336 - gcomollo@greenriver.edu

Program Website: Aviation Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Program Outcomes:

Students who successfully complete this program will be able to:

- Understand operation of the airport.
- Demonstrate their understanding of various parts of the aviation industry through tests and critical thinking tasks.

Requirements

- AVIA 103 - Aviation History and Careers Credits: 5
- AVIA 110 - Airline Operation Credits: 5
- AVIA 111 - Private Pilot Ground School Credits: 5
- AVIA 123 - Aviation Weather Credits: 5
- AVIA 160 - Aviation Communications Credits: 5
- AVIA 212 - Human Factors for Aviators Credits: 5
- AVIA 217 - Aviation Security Credits: 5
- AVIA 270 - Air Traffic Control Fundamentals Credits: 5

Notes

Last Revised

7/1/2024

Aviation Technology - Basic Aviation Knowledge Certificate

10 Credits

This certificate program prepares individuals with no background in aviation for the FAA Private Pilot written exam.

Contact: George Comollo - gcomollo@greenriver.edu - 253-931-6577

Program Website: Aviation Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Requirements

AVIA 111 - Private Pilot Ground School Credits: 5
AVIA 123 - Aviation Weather Credits: 5

Last Revised

7/1/2015

Aviation Technology - Unmanned Aerial Vehicles Cyber Security Certificate

10 credits

This certificate will enable the students to prepare for the CompTIA Security+ Certification. The course provides students with a broad foundation of network security concepts. Topics include security fundamentals, overview of cryptography, security policies and procedures, common types of attacks, and how to implement network security measures. Covers all current CompTIA Security+ Certification exam objectives, while also learning the operations of unmanned aerial vehicles (UAV) in relation to cyber security. This training will include the Federal Aviation Administration (FAA) requirements to operate a UAV in a commercial environment as well as learn basic flying skills.

Contact: George Comollo - gcomollo@greenriver.edu

Program Website: Aviation Technology
| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.

Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation and other industry professionals with technology used with unmanned aerial systems.

Requirements (10 credits)

AVIA 107 - Drone Operations Credits: 5
IT 135 - CompTIA Security+ Certification Preparation Credits: 5

Last Updated

7/1/2021

Aviation Technology - Unmanned Aerial Vehicles Digital Photography Certificate

15 credits

This certificate will enable the students to learn the basics of digital photography while also learning the operations of unmanned aerial vehicles (UAV). The coursework includes camera and lens operation, memory cards, file formats, exposure, white balance, composition, lighting, creativity, image editing software and output, and intermediate level exposure. This training will include the Federal Aviation Administration (FAA) requirements to operate a UAV in a commercial or business environment as well as basic flying skills.

Contact: George Comollo - gcomollo@greenriver.edu

Program Website: Aviation Technology

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/aviation-technology/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.
Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation and other industry professionals with technology used with unmanned aerial systems.

Requirements (15 credits)

AVIA 107 - Drone Operations Credits: 5

PHOTO 111 - Beginning Digital Photography Credits: 5

PHOTO 112 - Intermediate Digital Photography Credits: 5

Last Updated

7/1/2021

Business Applications for Small Business Certificate

40 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning this certificate provides students with the educational background and skills to be involved in a small business focusing on current business applications. Students in this program must complete class with a grade of 2.0 or higher.

Contacts: Shannon Sharpe - ssharpe@greenriver.edu, Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu

Program Website: Business Applications Specialist | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-applications-specialist/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/business-applications-small-business/>

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

Required Classes

ACCT 110 - Practical Accounting 1 Credits: 5

BUS 164 - Entrepreneurship and Small Business Management Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5 †

BTAC 130 - Business Correspondence Credits: 5

BTAC 132 - Business Communication Applications Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BTAC 214 - Introduction to Information Security Credits: 5

BTAC 266 - Inside Microsoft Office Credits: 5

Electives:

Select one from the following courses to total 40 credits:

ACCT 111 - Practical Accounting 2 Credits: 5

ACCT 212 - QuickBooks for Accounting Credits: 5

BTAC 110 - Business Math Applications Credits: 5

BTAC 112 - Beginning Word Credits: 5

or

BTAC 255 - Advanced Word Credits: 5

BTAC 140 - Records Management Credits: 5

BTAC 150 - Introduction to Windows Credits: 5

BTAC 163 - Advanced Excel Credits: 5

BTAC 184 - Internet and Basic Web Design Credits: 5

BTAC 185 - Introduction to Microsoft Access Credits: 5

BTAC 216 - Computer Support Internship I Credits: 2-5

Notes

† *BTAC 101 Beginning Keyboarding may be waived by passing a 5-minute typing test at 40 wpm with five or less errors using the proper touch-typing techniques. Elective credits may be used to meet the minimum degree credit requirements.*

Last Revised

7/1/2014

Business Applications Specialist Certificate

60 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning a Business Applications Specialist certificate provides students with the educational background and skills to help secure employment as an office worker in an

entry-level position. These credits can be applied to any Business Technologies and Administrative Careers degree program. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Lea Ann Simpson - lsimpson@greenriver.edu, Lori Fishburn - LFishburn@greenriver.edu, Shannon Sharpe - ssharpe@greenriver.edu

Program Website: Business Applications Specialist | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-applications-specialist/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/business-applications-specialist/>

Program Outcomes

Implement calculator/computer technology to solve problems.
Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 132 - Business Communication Applications Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 162 - Introduction to Excel Credits: 5

BTAC 184 - Internet and Basic Web Design Credits: 5

or

BTAC 185 - Introduction to Microsoft Access Credits: 5
Reading Eligible for READ 104 (as determined by the appropriate placement score)

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

CMST& 230 - Small Group Communication Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BTAC 250 - Office Relations and Procedures Credits: 5

Electives:

Students must select from the following list of courses below to total a minimum of 60 credits.

ACCT 110 - Practical Accounting 1 Credits: 5 **or**

ACCT& 201 - Principles of Accounting I Credits: 5 **or**

ACCT 212 - QuickBooks for Accounting Credits: 5

ART 109 - Beginning Design Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

BTAC 102 - Intermediate Keyboarding Credits: 5 *

BTAC 103 - Advanced Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

and/or

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 132 - Business Communication Applications Credits: 5

BTAC 140 - Records Management Credits: 5

BTAC 163 - Advanced Excel Credits: 5

BTAC 147 - Beginning Keyboarding-Alphabet Keys Credits: 1 **or**

BTAC 148 - Keyboarding-Mastering 10-Key and Symbols Credits: 1 **or**

BTAC 149 - Keyboarding-Speed and Accuracy-Skill Building Credits: 1

BTAC 175 - Instructor Assistant Credits: 1-5

BTAC 177 - BTAC Work Experience 1 Credits: 1-12 **or**

BTAC 178 - BTAC Work Experience 2 Credits: 1-12 **or**

BTAC 179 - BTAC Work Experience 3 Credits: 1-12

and

COOP 171 - Work Experience Seminar Credits: 1

BTAC 187 - PowerPoint: Preparing a Presentation Credits: 1 **or**

BTAC 188 - PowerPoint: Design with Graphics and Multimedia Credits: 1 **or**

BTAC 189 - PowerPoint: Customize and Incorporate Web Features Credits: 1

BTAC 214 - Introduction to Information Security Credits: 5

BTAC 216 - Computer Support Internship I Credits: 2-5

BTAC 217 - Computer Support Internship 2 Credits: 2-5

BTAC 255 - Advanced Word Credits: 5

BTAC 266 - Inside Microsoft Office Credits: 5

BUS& 101 - Introduction to Business Credits: 5

or

BUS 164 - Entrepreneurship and Small Business Management Credits: 5

BUS 166 - Human Relations and Work Readiness Credits: 5

Choose one from the following:

BTAC 151 - Word: Create, Edit and Format Documents Credits: 1

BTAC 152 - Word: Tables and Sharing Documents Credits: 1

BTAC 153 - Word: Mail Merge and Other Productivity Tools Credits: 1

BTAC 154 - Word: Create a Newsletter Credits: 1

BTAC 155 - Word: Creating Forms, Macros and Document Security Credits: 1

Choose one from the following:

BTAC 164 - Access: Create and Modify a Database Credits: 1

BTAC 165 - Access: Use Queries to Produce Information Credits: 1

BTAC 166 - Access: Create and Modify Forms Credits: 1

BTAC 167 - Access: Create and Modify Reports Credits: 1

Choose one from the following:

BTAC 191 - Excel: Introduction to Formulas and Functions Credits: 1

BTAC 192 - Excel: Charts and Working with Large Worksheets Credits: 1

BTAC 193 - Excel as a Database Credits: 1

BTAC 194 - Excel: Data Consolidation and What-If Analysis Credits: 1

BTAC 195 - Excel: Collaboration, the Web, and Macros Credits: 1

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Last Revised

7/1/2017

Business Management-Business Analytics Certificate

15 Credits

This certificate program teaches the fundamental skills required for analyzing business data to make conclusions about that information. This certificate can be completed in as little as one quarter and provides immediately applicable skills for a business professional or entrepreneur. All courses apply towards the Business Management, AAA.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Business Management | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Program Outcomes

- Identify data sources and types of data necessary for the business problem or opportunity.
- Integrate Microsoft Excel software applications to present information in a meaningful manner.
- Analyze business data to enable insights for business decision-making.
- Effectively communicate the results of the analysis and tell the outcome and stories in the data.

Requirements

Choose one of the following:

- ACCT 110 - Practical Accounting 1 Credits: 5
- ACCT& 201 - Principles of Accounting I Credits: 5
- BUS& 101 - Introduction to Business Credits: 5
- BUS 258 - Principles of Management and Supervision Credits: 5

Choose one of the following:

BTAC 162 - Introduction to Excel Credits: 5

BTAC 163 - Advanced Excel Credits: 5

Data Analytics Technologies

SDEV 101 - Data Analytics Technologies Credits: 5

Notes

Last Updated

7/1/2023

Business Management-Business Foundations Certificate

45 Credits

This certificate focuses on a broad set of foundational business skills to help students perform better in the workplace and increase their advancement opportunities. This certificate also serves as a foundation for continued studies in business, marketing, and entrepreneurship.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Business Management |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/business-management-foundations/>

Core Requirements (25 credits)

ACCT 110 - Practical Accounting 1 Credits: 5

or

ACCT& 201 - Principles of Accounting I Credits: 5

BTAC 100 - Fundamentals of Computers Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

BUS& 101 - Introduction to Business Credits: 5

or

BUS 164 - Entrepreneurship and Small Business Management Credits: 5

BUS 173 - Basic Financial Management Credits: 5

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

Choose one from the following:

BTAC 130 - Business Correspondence Credits: 5

ENGL& 101 - English Composition I Credits: 5

Oral Communication

CMST& 101 - Introduction to Communication Credits: 5

Computation

Choose one from the following:

ACCT 215 - Advanced Business Computation Credits: 5

BTAC 110 - Business Math Applications Credits: 5

MATH& 107 - Math in Society Credits: 5

MATH 147 - Finite Mathematics-Business and Social Science Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

Notes

Last Revised

7/1/2023

Business Management-Entrepreneurship Certificate

30-35 Credits

The Entrepreneurship Certificate at Green River College is a comprehensive program designed to equip students with the essential knowledge and skills of an entrepreneur. Spanning 30 credits, this certificate provides a solid foundation in key areas of business, including entrepreneurship, marketing, accounting, and technology tools crucial for business operations. Whether you aim to launch a startup, run a small business, or bring innovative ideas to an existing organization, this program will prepare you for success in the dynamic world of entrepreneurship.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Business Management

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Program Outcomes

- Develop Business Plans: Create detailed and viable business plans that outline strategies for product development, marketing, and financial sustainability.
- Understand Core Business Concepts: Demonstrate a solid understanding of fundamental business principles, including management, marketing, and financial accounting.
- Implement Marketing Strategies: Apply introductory marketing principles to effectively promote products or services.
- Manage Financial Records: Utilize accounting software like QuickBooks and perform essential financial accounting tasks to manage business finances.
- Utilize Business Technologies: Use Microsoft Excel at an introductory or advanced level to analyze data and support business decision-making processes.
- Navigate the Entrepreneurial Ecosystem: Identify and leverage resources, networks, and support systems available to entrepreneurs.

Requirements

- BUS& 101 - Introduction to Business Credits: 5
- BUS 121 - Marketing Fundamentals Credits: 5
- BUS 164 - Entrepreneurship and Small Business Management Credits: 5

- ACCT 110 - Practical Accounting 1 Credits: 5
- ACCT 111 - Practical Accounting 2 Credits: 5
- or
- ACCT& 201 - Principles of Accounting I Credits: 5

- ACCT 212 - QuickBooks for Accounting Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

Last Revised

7/1/2025

Business Management-Management and Supervision Certificate

25 Credits

This certificate program is for anyone interested in being a more effective manager. This certificate can be completed in as little as two quarters and provides immediate applicable skills for a business professional or entrepreneur. All courses apply towards the Business Management Associate in Applied Arts degree.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Business Management | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/business-management-management-supervision/>

Program Outcomes

Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.

Describe the basics of strategic planning and creative problem solving.

Explain the methods for organizing and delegating work.

Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

Requirements

BUS 103 - Business Leadership Credits: 5
BUS 166 - Human Relations and Work Readiness Credits: 5
BUS 181 - Introduction to International Business Credits: 5
BUS 202 - Introduction to Project Management Credits: 5
BUS 258 - Principles of Management and Supervision Credits: 5

Last Revised

7/1/2009

Business Management-Marketing and Sales Certificate

20 Credits

This certificate program teaches the fundamental skills required for success in marketing and sales. This certificate can be completed as little as one to two quarters and provides immediately applicable skills for a business professional or entrepreneur. All courses apply towards the Business Management Associate in Applied Arts degree.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Business Management | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Program Outcomes

Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.

Describe the basics of strategic planning and creative problem solving.

Explain the methods for organizing and delegating work.

Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

Requirements

BUS 121 - Marketing Fundamentals Credits: 5
BUS 159 - Professional Selling Credits: 5
BUS 202 - Introduction to Project Management Credits: 5

BUS 257 - Customer Service Strategies Credits: 5

Last Revised

7/1/2008

Business Management-Retail Management Certificate

50 Credits

This certificate program prepares individuals to manage a variety of retail sales operations or lines of merchandise. The program serves both entry-level job candidates and current employees. After successful completion of the required coursework, students receive a certificate, which may also show the WAFC (Washington Association of Food Chains) endorsement.

Contacts: Sean McKeague, sean.mckeague@greenriver.edu, Daniel deWolff, daniel.dewolff@greenriver.edu

Program Website: Business Management | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/business-entrepreneurship/business-management/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/business-management-retail-management/>

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

Core Requirements (30 credits)

ACCT 110 - Practical Accounting 1 Credits: 5

or

ACCT& 201 - Principles of Accounting I Credits: 5

BTAC 100 - Fundamentals of Computers Credits: 5

BUS 103 - Business Leadership Credits: 5

BUS 121 - Marketing Fundamentals Credits: 5

BUS 257 - Customer Service Strategies Credits: 5

BUS 258 - Principles of Management and Supervision Credits: 5

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

Choose one of the following:

BTAC 130 - Business Correspondence Credits: 5

ENGL& 101 - English Composition I Credits: 5

ENGL 127 - Writing: Social Science Credits: 5

Oral Communication

CMST& 101 - Introduction to Communication Credits: 5

Computation

Choose one of the following:

ACCT 215 - Advanced Business Computation Credits: 5

BTAC 110 - Business Math Applications Credits: 5

MATH& 107 - Math in Society Credits: 5

MATH 147 - Finite Mathematics-Business and Social Science Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

Notes

Last Revised

7/1/2023

Cardiac Monitor/Electrocardiography (EKG) Technician Certificate

15 Credits

The Cardiac Monitor/Electrocardiography (EKG) Technician program prepares students with the knowledge, experience, exposure and confidence to monitor and interpret cardiac telemetry rhythms as well as perform diagnostic testing to assess heart rhythm and rate. Cardiac Monitor/Electrocardiography Technicians play an important role in the management of patients with heart disease or injury by observing, documenting, and reporting normal, abnormal and potentially life-threatening cardiac rhythms to the appropriate medical staff. Electrocardiography Technicians typically work in hospital and outpatient clinic environments while Cardiac Monitor Technicians typically work in the hospital or a centralized monitoring setting. They play a vital role in the lives of cardiac patients and are a critical member of the health care team.

This program will include fundamental information on anatomy and physiology of the heart and cardiovascular system, medical disease processes, medical terminology, medical legal ethics, and communication, and intensive EKG monitor strip interpretations. Additionally, you will spend time in the lab setting working with monitoring equipment and observing in the clinical environment working with Cardiac Monitor Technicians.

Admission Requirements

- 18 years of

- Valid photo ID (driver's license or any state-issued photo

- Must pass a National, Washington State Patrol and DSHS Background

- All required immunizations

- Liability Insurance

For the complete details, please refer to the EKG Technician Application.

Contacts: Nursing Advisor nursing@greenriver.edu or Adam Brown abrown@greenriver.edu

Program Website: Cardiac Monitor / EKG Technician

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/cardiac-monitor-ekg/index.html>

Program Outcomes

- Describe Cardiac Monitoring and EKG services, ethical, legal, and regulatory issues including HIPPA.

- Describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by Cardiac Monitor/Electrocardiography (EKG) Technicians.

Describe standard operating procedures for monitoring and interpreting cardiac rhythms and performing EKGs.
Perform infection control techniques and safety, complying with federal, state, and locally mandated regulations regarding safety practices.
Perform duties safely and effectively within their scope of practice as a Cardiac Monitor/Electrocardiography Technician.
Maintain records, documentation of findings and reporting findings to the appropriate medical staff.
Function as a member of the health care team.
Communicate appropriately and professionally in the workplace.

Requirements:

CARDIO 102 - Cardiac Rhythm Recognition and Interpretation Credits: 5
CARDIO 103 - Cardiac Monitoring Lab Credits: 2
HEALTH 102 - Fundamentals of Healthcare and the Human Body Credits: 5
HEALTH 104 - Safety, Basic Life Support and Infection Control Credits: 2
CARDIO 105 - Cardiac Monitoring Clinical Credits: 1

Notes

Last Updated

9/1/2024

Carpentry Technology Certificate

43 Credits

This certificate program prepares students with carpentry skills and knowledge related to the entire spectrum of residential, as well as parts of light commercial construction. Completion can lead to employment with either general or specialty contractors whose focus is on residential or light commercial building. Students develop a wide range of skills and knowledge in the carpentry trade ranging from foundations to interior trim.

Contacts: Robert Bean, rbean@greenriver.edu

Program Website: Carpentry Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Be employed as a carpenter helper or a union carpentry apprenticeship program.
Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
Use all basic hand and power tools related to carpentry.
Form and pour a typical foundation for a basic home.
Frame the wooden structure for a basic single-story home.
Install all basic interior trim components for a home.
Install all basic exterior trim components for a home.
Read and interpret basic architectural residential prints
Calculate, layout and install basic stairs and components.
Calculate, install and sheath typical stick-framed roof structures.
Build a basic kitchen base cabinet to within 1/32" of all given dimensions
Form and pour typical concrete slabs.
Estimate materials and supplies to build a basic single story residential home.

Requirements

Maximum credits required in variable credit courses.

CARP 113 - Foundations and Floor Framing Credits: 1-13

CARP 114 - Wall and Roof Framing Credits: 1-13

CARP 115 - Exterior and Interior Finish Credits: 1-13

CARP 162 - Stair Design and Construction Credits: 1-4

or

CARP 163 - Rafters Design and Framing Level 1 Credits: 4

Last Revised

7/1/2016

Carpentry Technology Pre-Apprenticeship Certificate

44 credits

This certificate prepares students for entry into the Carpenters-Employers Apprenticeship and Training Trust Apprenticeship program. Completion of this certificate meets the Memorandum of Understanding that the Carpentry Technology program has with the CEATT. This certificate enables the student to gain Preferred enrollment and advanced placement into their carpentry apprenticeship program. The intent of this agreement and certificate is to provide the student with non-duplicative program of study leading to enhancing employment opportunities for the apprentice.

Contact: Robert Bean, rbean@greenriver.edu

Program Website: Carpentry Technology

| <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Requirements (36 credits)

CARP 113 - Foundations and Floor Framing Credits: 1-13 - minimum 10 credits

CARP 114 - Wall and Roof Framing Credits: 1-13 - minimum 10 credits

CARP 115 - Exterior and Interior Finish Credits: 1-13 - minimum 10 credits

CARP 161 - Print Reading Credits: 3

CARP 167 - Material Estimating Credits: 3

In addition, complete two of the following courses (8 credits)

CARP 162 - Stair Design and Construction Credits: 1-4

CARP 163 - Rafters Design and Framing Level 1 Credits: 4

CARP 164 - Intermediate Woodworking and Cabinetry Credits: 1-4

CARP 171 - Advanced Cabinetry and Wood Fabrication Credits: 1-6 - minimum 4 credits

Carpentry Technology-Concrete Forming and Placement Certificate

16 Credits

This certificate prepares students to find employment with residential specialty and/or general contractor whose primary focus is foundations and/or concrete flatwork. The core skills acquired are location and forming concrete foundations for houses and constructing them level, plumb and square and to code or engineered specifications. In addition, students will develop skills with specialty tools and material related to foundation and/or flatwork, as well as how to calculate, order and place concrete in forms and finish specifications. This certificate also meets two of the CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement Requirements.

Contact: Robert Bean, rbean@greenriver.edu

Program Website: Carpentry Technology |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Requirements

CARP 113 - Foundations and Floor Framing Credits: 1-13 -Requires 13 credits

CARP 161 - Print Reading Credits: 3

Last Revised

7/1/2018

Carpentry Technology-Framing Level 1 Certificate

19 Credits

This certificate prepares students with the basic skills and knowledge required to find employment with specialty or general contractors whose focus is residential and/or light commercial framing (i.e., floors, walls, truss roofs, light metal framing, etc.). Students develop basic skills in print reading, wall layout, assembly and erecting of floors, walls and truss roof systems, WISHA/OSHA safety regulations and code requirements relating to framing. In addition, students learn portable power tool usage designed specifically to framing structures as well as framing material knowledge and specifications. This certificate also meets three of the CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement requirements.

Contact: Robert Bean, rbean@greenriver.edu

Program Website: Carpentry Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Requirements

CARP 114 - Wall and Roof Framing Credits: 1-13 -Requires 13 credits
CARP 161 - Print Reading Credits: 3
CARP 167 - Material Estimating Credits: 3

Last Revised

7/1/2018

Carpentry Technology-Framing Level 2 Certificate

27 Credits

This certificate prepares students with the basic skills and knowledge required to find employment with specialty or general contractors whose focus is residential and/or light commercial framing (*i.e., floors, walls, truss roofs, light metal framing, etc.) The student will develop basic skills in print reading, wall layout, assembly and erecting of floors, walls and truss roof systems, WISHA/OSHA safety regulations and code requirements

relating to framing. In addition, the student will learn portable power tool usage designed specifically to framing structures as well as framing material knowledge and specifications. This certificate also meets five of the CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement requirements.

Contact: Robert Bean, rbean@greenriver.edu

Program Website: Carpentry Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Requirements

CARP 114 - Wall and Roof Framing Credits: 1-13 -Requires 13 credits
CARP 161 - Print Reading Credits: 3
CARP 162 - Stair Design and Construction Credits: 1-4 -Requires 4 credits
CARP 163 - Rafters Design and Framing Level 1 Credits: 4
CARP 167 - Material Estimating Credits: 3

Last Revised

7/1/2018

Carpentry Technology-Residential Interior and Exterior Finish Certificate

30 Credits

This certificate prepares the student with the basic skills and knowledge required to find employment with specialty or general contractors whose focus is either Exterior or Interior finishes. The student will have developed skills in installing various exterior siding and trim, basic desk design and construction, steel stud framing, drywall installation and finishing, installing interior doors and other related interior trim pieces. Additionally, the student will have proficient skills in portable and stationary woodworking tools, as well as material knowledge and specifications. This certificate also meets two of the six CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement requirements.

Contact: Robert Bean, rbean@greenriver.edu

Program Website: Carpentry Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/carpentry-technology/index.html>

Requirements

CARP 115 - Exterior and Interior Finish Credits: 1-13 -Requires 13 credits

CARP 164 - Intermediate Woodworking and Cabinetry Credits: 1-4 -Requires 4 credits

CARP 167 - Material Estimating Credits: 3

INDUS 108 - Introduction to Building Construction Trades Credits: 10

Last Revised

7/1/2024

Court Reporting & Captioning-Scopist/Text Editor Certificate

44 Credits

The Scopist certificate program prepares students to work in collaboration with court reporters and captioners. Scopists perform editing and word processing functions on a court reporter's draft transcript file, research technical and industry-specific terms, and ensure all aspects of transcription are accurate. Scopists also assist with realtime editing during select live captioning events. Scopists must have a strong understanding of machine shorthand theory in order to recognize untranslates and define steno outlines. This understanding of theory, along with a working knowledge of specialized computer-aided transcription (CAT) software, sets the scopist apart from a traditional proofreader/editor.

Contact: CRC@greenriver.edu

Program Website: Court Reporting & Captioning |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/court-reporting-captioning/index.html>

Requirements

BTAC 109 - Legal Terminology Credits: 3

BTAC 125 - Medical Terminology for Office Administration Credits: 5

CRC 101 - Machine Shorthand Theory 1 Credits: 8

CRC 102 - Machine Shorthand Theory 2 Credits: 8

CRC 103 - Machine Shorthand Theory 3 Credits: 8

CRC 151 - Computer-Aided Transcription-Advanced Credits: 3

CRC 250 - Court Reporting Procedures 1 Credits: 5

Electives:

Students must choose from the following courses to total 44 credits

ACCT 110 - Practical Accounting 1 Credits: 5

ACCT 215 - Advanced Business Computation Credits: 5

or

BTAC 110 - Business Math Applications Credits: 5

or

BTAC 112 - Beginning Word Credits: 5

BTAC 130 - Business Correspondence Credits: 5

or

ENGL& 101 - English Composition I Credits: 5

or

BTAC 140 - Records Management Credits: 5

BTAC 184 - Internet and Basic Web Design Credits: 5

BTAC 266 - Inside Microsoft Office Credits: 5

CRC 177 - Court Reporting/Captioning Work Experience 1 Credits: 1-12

CRC 178 - Court Reporting/Captioning Work Experience 2 Credits: 1-12

CRC 179 - Court Reporting/Captioning Work Experience 3 Credits: 1-12

COOP 171 - Work Experience Seminar Credits: 1

CRC 251 - Court Reporting Procedures 2 Credits: 5

CRC 260 - Introduction to Captioning/Alternative Careers Credits: 3

Last Revised

7/1/2017

Criminal Justice -Corrections Certificate

30 Credits

Terrific career opportunities are available to those seeking employment in federal, state and local correctional facilities. The Seattle area is home to the King County Detention facility SCORE, and other federal correctional facilities. Job potential with local correctional agencies exists for Green River students, though job placement is not guaranteed.

Contact: Jashon Banks Sr - jbanks@greenriver.edu, Michelle Williams
- mwilliams@greenriver.edu

Program Website: Criminal Justice |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/criminal-justice/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/criminal-justice-corrections/>

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.
Meet obligations necessary to complete individual and group tasks.

Requirements

CJ& 101 - Introduction to Criminal Justice Credits: 5
CJ& 105 - Introduction to Corrections Credits: 5

CJ& 110 - Criminal Law Credits: 5
or
CJ 205 - Criminal Evidence Credits: 5

CJ 200 - Constitutional Law Credits: 5
CJ 220 - Race and Class in Criminal Justice Credits: 5
ENGL& 101 - English Composition I Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

BTAC 100 - Fundamentals of Computers Credits: 5
CJ 177 - Criminal Justice Work Experience 1 Credits: 1-5
CJ 178 - Criminal Justice Work Experience 2 Credits: 1-5
CJ 179 - Criminal Justice Work Experience 3 Credits: 1-5
COOP 171 - Work Experience Seminar Credits: 1

Notes

Students must attain a grade of 2.0 or higher in all CJ classes.

Last Revised

7/1/2024

Criminal Justice-Forensic and Fingerprint Certificate

30 Credits

Green River College is one of the few institutions that offer training to become a Fingerprint Technician. This short-term certificate can be completed in two or three quarters and includes training in the new Automatic Fingerprint Identification System (AFIS), classification, evidence presentation, court testimony preparation and basic job skill preparation. Students who earn the certificate are introduced to the field of Criminalistics and Fingerprint Technology.

Contact: Jashon Banks Sr - jbanks@greenriver.edu, Michelle Williams
- mwilliams@greenriver.edu

Program Website: Criminal Justice |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/criminal-justice/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/criminal-justice-forensic-fingerprint-tech/>

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

Requirements

- CJ& 101 - Introduction to Criminal Justice Credits: 5
- CJ& 110 - Criminal Law Credits: 5
- CJ 115 - Fingerprint Science Credits: 5
- CJ& 240 - Introduction to Forensic Science Credits: 5
- ENGL& 101 - English Composition I Credits: 5
- PHOTO 111 - Beginning Digital Photography Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

- BTAC 100 - Fundamentals of Computers Credits: 5
- BTAC 140 - Records Management Credits: 5
- CJ 177 - Criminal Justice Work Experience 1 Credits: 1-5 or
- CJ 178 - Criminal Justice Work Experience 2 Credits: 1-5 or
- CJ 179 - Criminal Justice Work Experience 3 Credits: 1-5 or
and
- COOP 171 - Work Experience Seminar Credits: 1

Notes

Students must attain a grade of 2.0 or above in all classes.

Last Revised

7/1/2025

Criminal Justice-Law Enforcement Certificate

30 Credits

This short-term certificate is designed to be completed in two or three quarters and includes an introduction to the criminal justice system and a more focused examination of current trends and practices in policing. Students who earn the certificate may find employment opportunities with local law enforcement agencies.

Contact: Jashon Banks Sr - jbanks@greenriver.edu, Michelle Williams
- mwilliams@greenriver.edu

Program Website: Criminal Justice |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/criminal-justice/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/criminal-justice-law-enforcement/>

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

Requirements

- CJ& 101 - Introduction to Criminal Justice Credits: 5
- CJ& 110 - Criminal Law Credits: 5
- CJ 200 - Constitutional Law Credits: 5
- CJ 220 - Race and Class in Criminal Justice Credits: 5
- CJ 236 - Policing Credits: 5
- ENGL& 101 - English Composition I Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 140 - Records Management Credits: 5
CJ 177 - Criminal Justice Work Experience 1 Credits: 1-5
CJ 178 - Criminal Justice Work Experience 2 Credits: 1-5
CJ 179 - Criminal Justice Work Experience 3 Credits: 1-5
COOP 171 - Work Experience Seminar Credits: 1

Notes

Students must attain a grade of 2.0 or above in all classes.

Last Revised

7/1/2024

Early Childhood Education (Statewide) Certificate

47 Credits

The Early Childhood Education (ECE) State Credential is the benchmark for Level 2 Core Competencies for Early Care and Education Professionals. The 47-credit "stackable certificate" requires Math and English as a foundation of the next step - an ECE Associates in Applied Science Degree. Students who achieve this benchmark are on Step 7 of the Washington State Career Lattice.

Students must complete all Early Childhood Education (ECED/ECED&) and Education (EDUC/EDUC&) course with a grade of 2.0 or higher.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/early-childhood-education-statewide/>

Requirements (35 credits)

Students must complete all Early Childhood Education (ECED/ECED&) and Education (EDUC/EDUC&) course with a grade of 2.0 or higher.

ECED& 105 - Introduction to Early Childhood Education Credits: 5
ECED& 107 - Health, Safety and Nutrition Credits: 5
ECED& 160 - Curriculum Development in Early Childhood Education Credits: 5
ECED& 170 - Learning Environments Credits: 3
ECED& 180 - Language and Literacy Development Credits: 3
ECED& 190 - Observation and Assessment Credits: 3
EDUC& 115 - Child Development Credits: 5
EDUC& 150 - Child, Family and Community Relationship Credits: 3

Choose one of the following:

EDUC& 130 - Guiding Behavior Credits: 3 (This is the required course for completion of the AAS or AAS-T.)
ECED& 132 - Infants and Toddlers-Nurturing Care Credits: 3
ECED& 134 - Family Childcare Management Credits: 3
ECED& 137 - Outdoor Learning for Young Children Credits: 3
ECED& 138 - Home Visiting & Family Engagement Credits: 3
ECED& 139 - Administration of Early Learning Programs Credits: 3

Related Instruction Requirements (12 credits)

Satisfies related instruction requirements.

Written Communication

ENGL& 101 - English Composition I Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5
or
MATH - Any MATH class 100 or higher Credits: 5

Human Relations

ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2

Notes

Last Revised

7/1/2025

Early Childhood Education (Statewide) Initial Certificate

12 Credits

This is an initial certificate that serves as a point of entry or a continuation of professional development from the Level One Core Competencies for Early Care and Education Professionals. The initial certificate is the first "stackable certificate" providing a foundation for the Early Childhood Education (ECE) State Credential and the ECE Associate of Applied Arts Degree. After completion, students are on Level 5 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Requirements

ECED& 105 - Introduction to Early Childhood Education Credits: 5
ECED& 107 - Health, Safety and Nutrition Credits: 5
ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2

Last Revised

7/1/2015

Early Childhood Education Certificate of Specialization Administration (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the ECE Associate in Applied Science Degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Requirements

- ECED& 105 - Introduction to Early Childhood Education Credits: 5
- ECED& 107 - Health, Safety and Nutrition Credits: 5
- ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
- EDUC& 115 - Child Development Credits: 5

Area of Specialization:

- ECED& 139 - Administration of Early Learning Programs Credits: 3

Last Revised

7/1/2015

Early Childhood Education Certificate of Specialization- Family Child Care (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the ECE Associate in Applied Science Degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Requirements

- ECED& 105 - Introduction to Early Childhood Education Credits: 5
- ECED& 107 - Health, Safety and Nutrition Credits: 5
- ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
- EDUC& 115 - Child Development Credits: 5

Area of Specialization:

- ECED& 134 - Family Childcare Management Credits: 3

Last Revised

7/1/2015

Early Childhood Education Certificate of Specialization- General (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the ECE Associate in Applied Arts Degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Requirements

- ECED& 105 - Introduction to Early Childhood Education Credits: 5
- ECED& 107 - Health, Safety and Nutrition Credits: 5
- ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
- EDUC& 115 - Child Development Credits: 5

Area of Specialization:

EDUC& 130 - Guiding Behavior Credits: 3

Last Revised

7/1/2015

Early Childhood Education Certificate of Specialization- Home Visiting and Family Engagement (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the ECE Associate in Applied Science Degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication.
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job.
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct.
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.

Discuss the dynamics of family structure.

Involve parents and community agencies in early childhood development.

Requirements:

ECED& 105 - Introduction to Early Childhood Education Credits: 5

ECED& 107 - Health, Safety and Nutrition Credits: 5

ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2

EDUC& 115 - Child Development Credits: 5

Area of Specialization:

ECED& 138 - Home Visiting & Family Engagement Credits: 3

Notes:

Last updated:

7/1/2023

Early Childhood Education Certificate of Specialization- Infants and Toddlers (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the ECE Associate in Applied Science Degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Requirements

ECED& 105 - Introduction to Early Childhood Education Credits: 5
ECED& 107 - Health, Safety and Nutrition Credits: 5
ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
EDUC& 115 - Child Development Credits: 5

Area of Specialization:

ECED& 132 - Infants and Toddlers-Nurturing Care Credits: 3

Last Revised

7/1/2015

Early Childhood Education Certificate of Specialization- Outdoor Learning for Young Children (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the Early Childhood Education, AAS degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education |

<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication.
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job.
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct.
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Requirements

- ECED& 105 - Introduction to Early Childhood Education Credits: 5
- ECED& 107 - Health, Safety and Nutrition Credits: 5
- ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
- EDUC& 115 - Child Development Credits: 5

Area of Specialization:

- ECED& 137 - Outdoor Learning for Young Children Credits: 3

Notes:

Last updated:

7/1/2023

Early Childhood Education Certificate of Specialization- School Age Care (Statewide) Certificate

20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." All Short Certificates provide the foundation for the ECE Washington State Credential and the ECE Associate in Applied Science Degree. Completion of the Short Certificate places students on Level 6 of the Washington State Career Lattice.

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Requirements

- ECED& 105 - Introduction to Early Childhood Education Credits: 5
- ECED& 107 - Health, Safety and Nutrition Credits: 5
- ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
- EDUC& 115 - Child Development Credits: 5

Area of Specialization:

- EDUC& 136 - School-Age Care Credits: 3

Last Revised

7/1/2015

Early Childhood Education Paraeducator Initial Certificate

22 Credits

The Initial Paraeducator Certificate is part of the Washington State "Stackable Certificates" and is the first step in preparing students for a job as a Paraeducator. The certificate is designed to build upon the technical courses required for employment as a Paraeducator within educational settings. It can provide a pathway into the Paraeducator apprenticeship program and/or teacher certification. The Initial Certificate includes coursework that enables students to meet the standards more efficiently. This Initial Certificate can stack onto the Paraeducator State Certificate and can transfer into the Paraeducator Associate in Applied Science - Transfer degree (AAS-T).

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Program Requirements

- EDUC& 101 - Paraeducator Basics Credits: 3
- EDUC& 115 - Child Development Credits: 5
- EDUC& 130 - Guiding Behavior Credits: 3
- EDUC& 205 - Introduction to Education with Field Experience Credits: 5
- EDUC 210 - Assisting Practicum Credits: 3 Minimum 3 Credits
- EDUC 245 - Challenging Behaviors in Young Children Credits: 3

Last Revised

7/1/2019

Early Childhood Education Paraeducator State Certificate

47 Credits

The Paraeducator State Certificate is part of the Washington State "Stackable Certificates" and is the second step in preparing students for a job as a Paraeducator. This certificate includes college-level General-Education courses in addition to the job-

specific courses. Based on the Washington State Paraeducator standards, it is designed to further build upon the technical skills required for employment as a Paraeducator within educational settings. Core competencies covered in this certificate prepare the Paraeducator to effectively support and extend instruction and services, thereby increasing student learning. These core competencies revolve around the areas of instructional strategies, behavior management, and human growth and development. The coursework is offered fully online as well as face-to-face, drawing on the expertise of local professionals and schools. This certificate can transfer directly into the Paraeducator Associate in Applied Science - Transfer degree (AAS-T).

Contacts: Leslie Kessler, lkessler@greenriver.edu, Andee Church, achurch@greenriver.edu, Roberta Kim, rkim@greenriver.edu

Program Website: Early Childhood Education | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/education-law-social-science/early-childhood-education/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/early-childhood-education-paraeducator/>

Relation Instruction Requirements

Satisfies related instruction requirements.

Communication (10 credits)

ENGL& 101 - English Composition I Credits: 5
CMST& 220 - Public Speaking Credits: 5

Computation (5 credits)

Select one 5-credit course from the following:

MATH& 107 - Math in Society Credits: 5
MATH 108 - Contemporary Math for Information Technology Credits: 5
MATH& 141 - PreCalculus I Credits: 5
MATH& 146 - Introduction to Statistics Credits: 5
MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
MATH& 148 - Business Calculus Credits: 5
MATH& 131 - Mathematics for Elementary Education 1 Credits: 5

Human Relations (3 credits)

EDUC 210 - Assisting Practicum Credits: 3

Program Core Requirements

EDUC& 101 - Paraeducator Basics Credits: 3

EDUC& 115 - Child Development Credits: 5

EDUC& 130 - Guiding Behavior Credits: 3

EDUC& 205 - Introduction to Education with Field Experience Credits: 5

EDUC& 204 - Inclusive Education Credits: 5

EDUC& 240 - Diversity in Education Credits: 5 Minimum 5 credits

EDUC 245 - Challenging Behaviors in Young Children Credits: 3

Last Revised

7/1/2019

Emergency Room and Patient Care Technician Certificate

30 Credits

This program consists of two stackable certificates, both the Nursing Assistant and MA-Phlebotomy certificates. Graduates will be eligible for state examination and licensure for both MA-Phlebotomy and Nursing Assistant. Successful licensure will allow the graduate to work as a patient care or emergency room technician. The training provides basic anatomy and physiology, medical terminology, ethical, legal and regulatory issues, safety measures, infection control, special collections, and patient care.

This role is similar to the role of first responders in the field but occurs within the Emergency Room Setting. Typical job functions include:

- Assisting with observation and care of patients

- Performing care tasks such as taking vitals signs, mobility assistance, specimen collection, EKGs, venipuncture and capillary sticks

- Responding to critical life-saving emergency situations

- Gathering and identifying patient care needs

- Preparation of equipment and supplies for emergency procedures

- Transporting and transferring patients

- Department maintenance

- Assisting with clerical and communication tasks to support patient care

Skills and techniques acquired in this program are vein and capillary blood collections, basic patient care, EKG and vital signs. BLS certificate is acquired during the program. A minimum grade of 2.5 or higher is required in each course. This program prepares

graduates to develop concepts and knowledge necessary to provide entry level patient care as an emergency room or patient care technician.

Admission Requirements

Must be at least 18 years old

Valid photo ID (driver's license or any state-issued photo ID)

Must pass a National, Washington State Patrol and DSHS Background Check

Required immunizations

Uniform, text book and class supplies

Liability Insurance

For the complete details, please refer to the Emergency Room Technician Application. Students must earn a grade of 2.5 or higher in each class in the program to earn the certificate.

Contact: Career and Advising Center-Student Affairs & Success Building, 104;
nursing@greenriver.edu

Program Website: ER Room and Patient Care Technician

Certificate | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/emergency-room-technician/index.html>

Program Outcomes

Students who successfully complete the Emergency Room Technician Certificate will be able to:

Function as a member of a health care team to provide safe, patient-centered care.

Use appropriate medical language to communicate with co-workers and ancillary staff.

Perform duties safely and effectively within their scope of practice as outlined by the Certified Nursing Assistant and Phlebotomy programs' requirements.

Apply problem solving and critical thinking skills within their scope of practice and in coordination with team members to foster good patient outcomes.

Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.

Use effective written and oral communication and listening skills in interactions with a diverse patient population.

Requirements

ERTECH 102 - Emergency Room/Patient Care Technician Credits: 5

ERTECH 103 - Emergency Room/Patient Care Technician Lab Credits: 2

HEALTH 102 - Fundamentals of Healthcare and the Human Body Credits: 5

HEALTH 104 - Safety, Basic Life Support and Infection Control Credits: 2

PHLEB 103 - Medical Assistant Phlebotomy Laboratory Credits: 4
PHLEB 104 - Medical Assistant Phlebotomy Credits: 4
NRS A 104 - Nurse Assistant Theory Credits: 3
NRS A 103 - Nurse Assistant Lab Credits: 3
NRS A 105 - Nursing Assistant Clinical Credits: 2

Last Revised:

9/1/2024

Information Technology-Cloud Fundamentals Certificate

12 credits

The Information Technology Cloud Fundamentals certificate is designed to prepare students to enter the IT cloud field by addressing the fundamentals of cloud computing administration and essentials for networking in the cloud environment.

Students must earn a grade of 2.5 or higher on all courses in this program. All of the courses required for this certificate are a part of the Cybersecurity and Networking, AAS-T.

Contact: For more information, please contact us at itdegrees@greenriver.edu

Program Website: Cybersecurity and Networking |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/cybersecurity-networking/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Understand and demonstrate wide area networking and local area networking skills.
- Understand and demonstrate cloud infrastructure installation, configuration and administration.

Core Requirements

IT 210 - Routing and Switching Essentials Credits: 7
IT 244 - CompTIA Cloud+ Certification Preparation Credits: 5 or CompTIA Cloud+ certification with PLA

Last Revised:

7/1/2022

Information Technology-Fundamentals Certificate

15 credits

The Information Technology Fundamentals certificate is designed to prepare students or career changers for continued studies in information technology by addressing a variety of fundamental technical concepts in server administration, networking, and one other aspect of technology: security, programming, databases, or maintenance. The coursework required for this certificate may also be helpful to individuals whose work requires them to understand technical concepts and terminology but are not necessarily involved in the same day-to-day work as information technology professionals.

Students must earn a grade of 2.5 or higher on all courses in this program. All of the courses required for this certificate apply towards the Cybersecurity and Networking, AAS-T.

Contact: For more information, please contact us at itdegrees@greenriver.edu.

Program Website: Cybersecurity and Networking | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/cybersecurity-networking/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems and networking hardware.

Core Requirement (15 credits)

IT 114 - IT and Cybersecurity Essentials Credits: 5 or CompTIA A+ certification with PLA

IT 131 - Introduction to Networks Credits: 5 or CompTIA Network+ certification with PLA

IT 160 - Windows Server Administration Credits: 5

Last Revised:

7/1/2022

Information Technology-Scripting Fundamentals Certificate

15 credits

The Information Technology Scripting Fundamentals certificate is designed to prepare students to enter the IT field by addressing the fundamentals of computer operating system, application, and database scripting.

Students must earn a grade of 2.5 or higher on all courses in this program. All of the courses required for this certificate are a part of the Cybersecurity and Networking, AAS-T.

Contact: For more information, please contact us at itdegrees@greenriver.edu

Program Website: Cybersecurity and Networking | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/cybersecurity-networking/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Understand and demonstrate basic scripting and programming skills in Linux and Windows.
- Understand and demonstrate entry-level Windows server automation.
- Understand and demonstrate basic SQL database fundamentals.

Core Requirement (15 credits)

- IT 190 - Introduction to Linux Operating System Security Credits: 5 or CompTIA Linux+ certification with PLA
- IT 201 - Database Fundamentals Credits: 5
- IT 224 - Windows Automation and Scripting Credits: 5

Last Revised:

7/1/2022

Information Technology-Security Fundamentals Certificate

15 credits

The Information Technology Security Fundamentals certificate is designed to prepare students to enter the IT security field by addressing the fundamentals of business infrastructure security administration and essentials for identify and access management.

Students must earn a grade of 2.5 or higher on all courses in this program. All of the courses required for this certificate are a part of the Cybersecurity and Networking AAS-T.

Contact: For more information, please contact us at itdegrees@greenriver.edu

Program Website: Cybersecurity and Networking |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/stem/cybersecurity-networking/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Understand and demonstrate basic scripting and programming skills.
- Understand and demonstrate entry-level IT security.
- Understand and demonstrate basic identity and access management skills.

Core Requirement (15 credits)

- IT 102 - Scripting for Cybersecurity Credits: 5
- IT 135 - CompTIA Security+ Certification Preparation Credits: 5 or CompTIA Security+ certification with PLA
- IT 245 - Identity and Access Management Credits: 5

Last Revised:

7/1/2022

Machining and Manufacturing - Additive Manufacturing Technology Certificate

9 Credits

This three-class program is designed for students enrolled in Machining and Manufacturing Technology, CAD-Design and Engineering Technology, Maintenance Mechatronics and other related courses/programs of study such as Fine Arts or Business, Marketing, and Entrepreneurship. The Additive Manufacturing Tech. Certificate will also benefit current the manufacturing and engineering employee who wishes to learn more about the emerging fields of Additive and Hybrid-Manufacturing, supplying them with the knowledge and skills currently in demand by employers.

Upon completion of this certificate, the students are prepared for entry into industry as an Additive Manufacturing system operator. Instruction covers; Selecting the proper material based on prototype form and function. Accurately measuring printed parts using

precision tools such as calipers and micrometers. Apply Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) skills learned to the operation of a 3D printer to reduce cycle time. Application of variable equipment and software setups to reduce post-processing and material waste. How to select print configurations to improve print quality and dimensional stability. How to process parts to comply with engineering, client and blueprint requirements. Other subjects include Shop Safety (personal protective equipment (PPE), lockout/tag-out procedures, Hazard Communication Standards (HCS), and Safety Data Sheets (SDS), Orthogonal Coordinate System, Cartesian Coordinate System.

Entry into the program is at the start of any quarter on a space-available basis with instructor's permission. Classes are sequenced MFG 107, MFG 108 then MFG 109, however, students with an additive manufacturing background may be granted entry by the instructor.

Contact: Brad Chinn, bchinn@greenriver.edu, or Joel Perdue, jperdue@greenriver.edu

Program Website: Machining and Manufacturing Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/machining-manufacturing-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/machining-manufacturing-tech/>

Requirements (9 credits)

MFG 107 - Fundamentals of Additive Manufacturing Credits: 3

MFG 108 - Intermediate Additive Manufacturing Credits: 3

MFG 109 - Advanced Additive Manufacturing Credits: 3

Optional classes to support the learners understanding:

MFG 115 - Reading Engineering Drawings Credits: 2

Notes

Last updated:

7/1/2023

Machining and Manufacturing Technology Certificate

39-44 Credits

This is a one-year (three quarter) program designed for both the new student entering the field of manufacturing and for the current employee who wishes to learn more about the knowledge and skills currently in demand by employers.

Upon completion of this certificate, the students are prepared for entry into the manufacturing industry as a conventional or CNC (Computer Numerical Control) machinist trainee. Instruction covers conventional turning, milling and grinding, as well as basic programming, set up and operation of CNC machine tools. Other subjects include shop safety, reading engineering drawings, shop mathematics, machine tool theory, inspection and surface plate techniques, as well as lean manufacturing and other skills currently required by the manufacturing industry.

Credit for hours of training is usually granted to those entering an approved apprenticeship program. Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: Tom Tagliente - ttagliente@greenriver.edu, Brad Chinn, bchinn@greenriver.edu, or Joel Perdue, jperdue@greenriver.edu

Program Website: Machining and Manufacturing Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/machining-manufacturing-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/machining-manufacturing-tech/>

Requirements

MATH 70 - Pre-Algebra Credits: 5

or

Eligible for MATH 72 - Elementary Algebra

MFG 101 - Introduction to Machining and Manufacturing Credits: 1-13 -Minimum 13 credits

MFG 102 - Conventional Milling and Turning Credits: 1-13 -Minimum 13 credits

MFG 103 - Conventional and Computer Numerical Control (CNC) Machining Level 1 Credits: 1-13 -Minimum 11 credits

MFG 115 - Reading Engineering Drawings Credits: 2

Last Revised

7/1/2019

Maintenance Mechatronics 1 Certificate

13 Credits

This is a one-quarter certification program designed for both the new student entering the field of Mechatronics and for the current employee who wishes to learn more about the knowledge and skills currently in demand by employers.

Upon completion of this certificate, the students are prepared for entry into industry as a Mechatronics Technician trainee. Instruction covers basic fluid power, basic electrical and electronics. Other subjects include shop safety, reading engineering drawings, shop mathematics, industrial equipment theory, reverse engineering, as well as lean manufacturing and other skills currently required by the manufacturing industry.

Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: William Sciacca, wsciacca@greenriver.edu

Program Website: Maintenance Mechatronics |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/mechatronics-technician/index.html>

Requirements

MTX 100 - Mechatronics Technician 1 Credits: 1-13

Last Revised

7/1/2017

Maintenance Mechatronics 2 Certificate

13 Credits

This is a two-quarter certification program designed for both the new student entering the field of Mechatronics and for the current employee who wishes to learn more about the knowledge and skills currently in demand by employers.

Upon completion of this certificate, the students are prepared for entry into industry as a Mechatronics Technician trainee. Instruction covers basic and intermediate fluid power, basic and intermediate electrical and electronics. Other subjects include shop safety, rigging, reading engineering drawings, shop mathematics, industrial equipment theory,

reverse engineering, as well as lean manufacturing and other skills currently required by the manufacturing industry.

Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: William Sciacca, wsciacca@greenriver.edu

Program Website: Maintenance Mechatronics |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/mechatronics-technician/index.html>

Requirements

MTX 110 - Mechatronics Technician 2 Credits: 1-13

Last Revised

7/1/2017

Medical Assistant Phlebotomy Certificate

15 Credits

This certificate meets the training requirements to apply for the Washington State Department of Health Medical Assistant Phlebotomy certificate. This certificate provides basic anatomy and physiology, medical terminology, ethical, legal and regulatory issues, safety measures, infection control, special collections, how to avoid errors to becoming successful in collection and transfer of blood specimens in our current industry. Skills and techniques acquired in this certificate are vein and capillary blood collections, EKG and vital signs. BLS and HIV/AIDS certificates are acquired. A minimum grade of 2.5 or higher is required in each course.

Students will be eligible to take the national board exam upon satisfactory completion of the program.

Admission Requirements

Must be at least 18 years old Valid photo ID (driver's license or any state-issued photo ID)

Must complete the Background Attestation Form

Uniform, textbook and class supplies

Liability Insurance is required for participation in the program

For the complete details, please refer to the MA-Phlebotomy Application.

Contact: Career and Advising Center-Student Affairs & Success Building, 104;
nursing@greenriver.edu

Program Website: Medical Assistant Phlebotomy |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/medical-assistant-phlebotomy/index.html>

Program Outcomes

Students who successfully complete this program will be able to:

- Describe phlebotomy, phlebotomy services, ethical, legal, and regulatory issues including HIPAA.
- Describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by phlebotomists.
- Describe standard operating procedures to collect specimens including blood collection equipment, documentation, specimen handling, and transportation.
- Describe special collections in phlebotomy and effect on client safety.
- Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.
- Perform all steps of phlebotomy procedures including collection of equipment, reagents, supplies, interfering chemical substances, specimen requisitioning, collection, transport and processing.
- Communicate appropriately and professionally in the workplace.
- Document vital signs, EKGs, and phlebotomy procedures.

Requirements

- HEALTH 102 - Fundamentals of Healthcare and the Human Body Credits: 5
- HEALTH 104 - Safety, Basic Life Support and Infection Control Credits: 2
- PHLEB 103 - Medical Assistant Phlebotomy Laboratory Credits: 4
- PHLEB 104 - Medical Assistant Phlebotomy Credits: 4

Last Revised

9/1/2024

Medical Coding and Reimbursement Specialist Certificate

75 Credits

This certificate provides students an opportunity to develop ICD, CPT and HCPCS Level II coding skills to prepare them to become entry-level coders and reimbursement specialists. A coder is a health information specialist who is equally at home with

computerized and medical reference books and patient records. Students who complete this certificate may find employment in professional billing and coding facilities, including physician practices, emergency rooms, ambulatory facilities, hospitals and skilled nursing facilities, insurance companies and government agencies.

Course content includes studies in clinical coding and classification systems, life sciences, reimbursement methodologies, health information and delivery systems, legal and compliance rules with an emphasis on HIPAA. Students obtain either field-based or virtual professional practice experience. Students learn basic computer, math and communication skills.

Upon completion of the program, students will be eligible to sit for formal exams offered through national organizations in order to obtain medical coding certification.

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Shannon Sharpe, ssharpe@greenriver.edu, Lea Ann Simpson, lsimpson@greenriver.edu

Program Website: Medical Office Administration | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/medical-office-administration/index.html>

Program Outcomes

- Identify the different types of healthcare providers, disciplines, common departments and general structure found within healthcare organizations.

- Analyze and verify medical record and documentation accuracy and validity.

- Identify and define medical disease, diagnosis, procedural terms and abbreviations.

- Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.

- Utilize a computerized encoder to determine procedure values based on RBRVS (resource based relative value scale), coding guidelines based on LCD (local coverage determination), NCD (national coverage determination) and CCI (correct coding initiative) edits.

- Define key legal concepts related to healthcare including the impact of ethics, morals, fraud and abuse in a healthcare setting.

- Apply legal principles, policies, regulations, and standards for the control and use of health information.

- Perform mathematical calculations needed to process a claim, determine allowed amounts, deductibles and co-payments, process cash, check and electronic payments, and balance monthly and yearly financial records.

- Complete all general medical practice management software tasks such as registering and scheduling patients, searching and reviewing medical records online, entering codes, payment and other electronic health record (EHR) tasks.

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/medical-coding-reimbursement/>

Requirements

AP 100 - Survey of Human Anatomy and Physiology Credits: 5
BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 125 - Medical Terminology for Office Administration Credits: 5
BTAC 126 - Pharmaceutical Basics Credits: 2
BTAC 127 - Overview of Human Diseases for Non-Clinicians Credits: 3
BTAC 142 - Health Information and Delivery Systems Credits: 5
BTAC 145 - Introduction to ICD Coding Credits: 5
BTAC 146 - Introduction to CPT Coding Credits: 5

BTAC 180 - Medical Coding Professional Practice Experience Credits: 5
or
BTAC 177 - BTAC Work Experience 1 Credits: 1-12 -Minimum 4 credits
and
COOP 171 - Work Experience Seminar Credits: 1

BTAC 248 - Healthcare Reimbursement Methodology Credits: 5
BTAC 257 - Intermediate ICD Coding Credits: 5
BTAC 258 - Intermediate CPT/HCPCS Coding Credits: 5

Related Instruction Requirements (20 credits)

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one of the following:

CMST& 210 - Interpersonal Communication Credits: 5
CMST& 220 - Public Speaking Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110 - Practical Accounting 1 Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

and/or

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 112 - Beginning Word Credits: 5

or

BTAC 255 - Advanced Word Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 140 - Records Management Credits: 5

BTAC 150 - Introduction to Windows Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BTAC 175 - Instructor Assistant Credits: 1-5

BTAC 178 - BTAC Work Experience 2 Credits: 1-12

BTAC 179 - BTAC Work Experience 3 Credits: 1-12

BTAC 185 - Introduction to Microsoft Access Credits: 5

BTAC 250 - Office Relations and Procedures Credits: 5

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Last Revised

7/1/2017

Medical Front Office Certificate

54 Credits

This certificate program provides students an opportunity to develop essential medical front office/reception skills. After completing the program students will be qualified to secure employment as a medical front office receptionist in an entry level position. Students in this program must complete each class with a grade of 2.0 or higher. Many of these credits may be applied to other Business Technologies and Administrative Careers degree programs. Students may enter this program at the beginning of any quarter.

Contacts: Shannon Sharpe - ssharpe@greenriver.edu, Lea Ann Simpson-
lsimpson@greenriver.edu

Program Website: Medical Office Administration |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/medical-office-administration/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/medical-front-office/>

Requirements (34 credits)

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 102 - Intermediate Keyboarding Credits: 5 *
BTAC 112 - Beginning Word Credits: 5
or
BTAC 255 - Advanced Word Credits: 5
BTAC 125 - Medical Terminology for Office Administration Credits: 5
BTAC 132 - Business Communication Applications Credits: 5
BTAC 177 - BTAC Work Experience 1 Credits: 1-12 -Minimum 3 credits
and
COOP 171 - Work Experience Seminar Credits: 1
BTAC 245 - Medical Office Procedures Credits: 5

Relation Instruction Requirements (20 credits):

Satisfies related instruction requirements.

Written Communication

BTAC 130 - Business Correspondence Credits: 5

Oral Communication

Choose one from the following:

CMST& 210 - Interpersonal Communication Credits: 5

CMST& 220 - Public Speaking Credits: 5

Computation

BTAC 110 - Business Math Applications Credits: 5

Human Relations

BUS 166 - Human Relations and Work Readiness Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110 - Practical Accounting 1 Credits: 5

BTAC 101 - Beginning Keyboarding Credits: 5

BTAC 107 - Typing Speed and Accuracy 1 Credits: 4

and/or

BTAC 108 - Typing Speed and Accuracy 2 Credits: 4

BTAC 111 - Introduction to Computer Literacy Credits: 5

BTAC 112 - Beginning Word Credits: 5

or

BTAC 255 - Advanced Word Credits: 5

BTAC 115 - Professional Image Building Credits: 1

BTAC 140 - Records Management Credits: 5

BTAC 150 - Introduction to Windows Credits: 5

BTAC 162 - Introduction to Excel Credits: 5

or

BTAC 163 - Advanced Excel Credits: 5

BTAC 175 - Instructor Assistant Credits: 1-5

BTAC 185 - Introduction to Microsoft Access Credits: 5

BTAC 214 - Introduction to Information Security Credits: 5

BTAC 250 - Office Relations and Procedures Credits: 5

BUS& 101 - Introduction to Business Credits: 5

Notes

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Last Revised

Medical Office Manager Certificate

40 Credits

This certificate program is designed for students who have completed the Medical Office Administration Degree or who have previous medical office experience and will allow them to increase their ability to achieve the goal of medical office manager. Students in this program must complete each class with a grade of 2.0 or higher, and some prerequisites may be needed to enter the required classes. Students may enter this program at the beginning of any quarter.

Contacts: Shannon Sharpe, ext. 4378 - ssharpe@greenriver.edu, Lea Ann Simpson, ext. 4393- lsimpson@greenriver.edu

Program Website: Medical Office Administration | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/medical-office-administration/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/medical-office-manager/>

Program Outcomes

- Accurately spell, pronounce and define common medical terms related to major disease processes, diagnostic procedures, laboratory tests, abbreviations, drugs, and treatment modalities.
- Develop an understanding of the structure and function of the healthy human body, diseases and treatment modalities.
- Identify the different types of healthcare providers, disciplines, common departments and general structure found within healthcare organizations.
- Analyze and verify medical record and documentation accuracy and validity.
- Identify and define medical disease, diagnosis, procedural terms and abbreviations.
- Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.
- Define key legal concepts related to healthcare
- Perform mathematical calculations needed to process a claim, determine allowed amounts, deductibles and co-payments, process cash, check and electronic payments, and balance monthly and yearly financial records.
- Complete all general medical practice management software tasks such as registering and scheduling patients, searching and reviewing medical records online, entering codes, payment and other electronic health record (EHR) tasks.

Requirements

ACCT 110 - Practical Accounting 1 Credits: 5
BTAC 130 - Business Correspondence Credits: 5
BTAC 245 - Medical Office Procedures Credits: 5
BTAC 266 - Inside Microsoft Office Credits: 5
BUS 166 - Human Relations and Work Readiness Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5

Electives:

To enhance the student's preparation for future employment, select 10 credits from the following:

AP 100 - Survey of Human Anatomy and Physiology Credits: 5
or
AP 102 - Bringing Anatomy and Physiology to Life Credits: 5
BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 110 - Business Math Applications Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 140 - Records Management Credits: 5
BTAC 142 - Health Information and Delivery Systems Credits: 5
BTAC 145 - Introduction to ICD Coding Credits: 5
BTAC 146 - Introduction to CPT Coding Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 162 - Introduction to Excel Credits: 5
BTAC 185 - Introduction to Microsoft Access Credits: 5
BTAC 214 - Introduction to Information Security Credits: 5
BTAC 250 - Office Relations and Procedures Credits: 5
BTAC 255 - Advanced Word Credits: 5

Last Revised

7/1/2019

Medical Office Support Certificate

30 Credits

The Medical Office Clerk Certificate prepares students for entry-level employment in physician practices, emergency rooms, ambulatory facilities, hospitals and other medical facilities. Students will train to perform medical office duties including patient scheduling, registration, paper and electronic medical record access and data entry. Students will obtain training in medical terminology, general billing, reports, and correspondence.

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete each class with a grade of 2.0 or higher.

Contacts: Shannon Sharpe, ssharpe@greenriver.edu, Lea Ann Simpson - lsimpson@greenriver.edu

Program Website: Medical Office Administration | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/medical-office-administration/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/medical-office-support/>

Requirements

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 101 - Beginning Keyboarding Credits: 5
Or
BTAC 102 - Intermediate Keyboarding Credits: 5
BTAC 111 - Introduction to Computer Literacy Credits: 5
BTAC 125 - Medical Terminology for Office Administration Credits: 5
BTAC 245 - Medical Office Procedures Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5

To enhance the student's preparation for future employment, the following are recommended:

BTAC 110 - Business Math Applications Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 130 - Business Correspondence Credits: 5
BTAC 132 - Business Communication Applications Credits: 5
BTAC 142 - Health Information and Delivery Systems Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 162 - Introduction to Excel Credits: 5

Last Revised

7/1/2019

Nurse Assistant Certificate

15 Credits

The Nursing Assistant Certificate Program is a comprehensive and hands-on; designed to prepare individuals for a rewarding career in healthcare as certified nursing assistants (CNAs). This program is meticulously crafted to provide a solid foundation in theoretical knowledge and practical skills, equipping students with the competencies needed to deliver compassionate, safe, and patient-centered care. Throughout the program, students will engage in a blend of classroom instruction, labs, and supervised clinical experiences, ensuring a well-rounded and immersive learning environment.

Students in this certificate program must possess the following prior to enrollment in the program:

- 18 years of age
- Valid photo ID (driver's license or any state-issued photo ID)
- Must pass a Washington State Patrol and DSHS Background Check
- Immunizations
- Uniform, text book and class supplies
- Liability Insurance

For the complete details, please refer to the Nurse Assistant Application.

Students must earn a grade of 2.5 or higher in each class in the program to earn the certificate.

Contact: Career and Advising Center-Student Affairs & Success Building, 104;
nursing@greenriver.edu

Information Session Sign Up: www.greenriver.edu/info-sessions

Program Website: Nursing | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/healthcare-wellness/nursing/index.html>

Program Outcomes

- Demonstrate problem solving, critical thinking approaches utilized in patient care settings.
- Use ethical principles in practice, conduct, and relationships with patients, staff, and families.
- Identify with the values of the profession and incorporate them into practice.
- Promote a positive public image of nursing assistant as a positive role model.
- Utilize communication skills to establish and maintain a therapeutic relationship with patients, families, and staff.
- Execute competencies required for beginning practice as a nursing assistant.

Requirements

- HEALTH 102 - Fundamentals of Healthcare and the Human Body Credits: 5
- NRS A 104 - Nurse Assistant Theory Credits: 3

NRS A 103 - Nurse Assistant Lab Credits: 3
NRS A 105 - Nursing Assistant Clinical Credits: 2
HEALTH 104 - Safety, Basic Life Support and Infection Control Credits: 2

Last Revised

9/1/2024

Wastewater Technology-Municipal Wastewater Treatment Technology Certificate

31-41 Credits

This certificate program prepares graduates for entry-level positions in municipal wastewater treatment facilities. The program is designed for a fall quarter start, depending upon student composition, computation and computing skills; please contact an advisor for skill assessment information.

Program Website: Water/ Wastewater Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/water-wastewater-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/wastewater-municipal/>

Requirements

ENGL 99 - Introductory Composition Credits: 5 *
MATH 72 - Elementary Algebra Credits: 5 **
WTECH 181 - Water Hydraulics Credits: 3
WTECH 182 - Pumps and Pumping Systems Credits: 3
WTECH 183 - Utility Worker Safety Credits: 3
WTECH 184 - Disinfection and Chemical Feed Systems Credits: 3
WTECH 187 - Drawings and Manuals Credits: 3
WTECH 188 - Water and Wastewater Electrical Credits: 3
WWT 185 - Municipal Wastewater Treatment 1 Credits: 3
WWT 186 - Municipal Wastewater Treatment 2 Credits: 3
WWT 188 - Wastewater Laboratory Credits: 2

Choose one from the following:

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 118 - Basics for Online Education Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 184 - Internet and Basic Web Design Credits: 5

Notes

** Not required if eligible for ENGL 99 or above.*

*** Not required if eligible for MATH 97 or higher.*

Last Revised

7/1/2015

Water Distribution Technology Certificate

31-41 Credits

This certificate program prepares graduates for entry-level positions operating and maintaining public drinking water distribution systems. The program is designed for a fall quarter start, depending upon student composition, computation and computing skills; please contact an advisor for skill assessment information.

Program Website: Water/Wastewater Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/water-wastewater-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/water-distribution-tech/>

Requirements

ENGL 99 - Introductory Composition Credits: 5 *
MATH 72 - Elementary Algebra Credits: 5 **
WTECH 181 - Water Hydraulics Credits: 3
WTECH 182 - Pumps and Pumping Systems Credits: 3
WTECH 183 - Utility Worker Safety Credits: 3
WTECH 184 - Disinfection and Chemical Feed Systems Credits: 3
WTECH 187 - Drawings and Manuals Credits: 3

WTECH 188 - Water and Wastewater Electrical Credits: 3
WST 180 - Water Distribution Credits: 3
WST 183 - Water Sources Credits: 1
WST 184 - Water Regulations Credits: 2
WST 188 - Water Laboratory Credits: 2

Choose one from the following:

BTAC 100 - Fundamentals of Computers Credits: 5
BTAC 112 - Beginning Word Credits: 5
BTAC 118 - Basics for Online Education Credits: 5
BTAC 150 - Introduction to Windows Credits: 5
BTAC 184 - Internet and Basic Web Design Credits: 5

Notes

** Not required if eligible for ENGL 99 or above.*

*** Not required if eligible for MATH 97 or higher.*

Last Revised

7/1/2015

Welding Technology - Advanced Arc Welding Certificate

26 Credits

The Welding Technology program at Green River College offers you training in multiple welding styles, in preparation for immediate employment in this diverse field. Job placement of graduates from this program is excellent. Welders join pieces of metal by placing them close together, heating them until the metal flows, and fuses to form a cohesive bond. They control this joining process by concentrating the heat from a gas torch or electric arc and by using metal rods to supply extra metal. Welders must wear protective clothing, shoes, hoods, and goggles to prevent burns.

Contact: Scott Schreiber - sschreiber@greenriver.edu

Program Website: Welding Technology |
<https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/welding-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/welding-intermediate-arc-flame/>

Program Outcomes

Students who successfully complete this program will be able to:

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

Requirements

Requires 13 credits of each course for degree.

WELD 194 - Special Welding Project 1 Credits: 1-13

WELD 195 - Special Welding Project 2 Credits: 1-13

Last Revised

7/1/2015

Welding Technology - Basic Arc and Flame Certificate

26 Credits

The Welding Technology program at Green River College offers you training in multiple welding styles, in preparation for immediate employment in this diverse field. Job placement of graduates from this program is excellent. Welders join pieces of metal by placing them close together, heating them until the metal flows, and fuses to form a cohesive bond. They control this joining process by concentrating the heat from a gas torch or electric arc and by using metal rods to supply extra metal. Welders must wear protective clothing, shoes, hoods, and goggles to prevent burns.

Contact: Scott Schreiber - sschreiber@greenriver.edu

Program Website: Welding Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/welding-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/welding-basic-arc-flame/>

Program Outcomes

Students who successfully complete this program will be able to:

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

Requirements

- WELD 141 - Basic Arc Weld and Flame Cutting Credits: 1-13
- WELD 142 - Intermediate Welding Credits: 1-13

Last Revised

7/1/2015

Welding Technology - Intermediate Arc and Flame Certificate

26 Credits

The Welding Technology program at Green River College offers you training in multiple welding styles, in preparation for immediate employment in this diverse field. Job placement of graduates from this program is excellent. Welders join pieces of metal by placing them close together, heating them until the metal flows, and fuses to form a cohesive bond. They control this joining process by concentrating the heat from a gas torch or electric arc and by using metal rods to supply extra metal. Welders must wear protective clothing, shoes, hoods, and goggles to prevent burns.

Contact: Scott Schreiber - sschreiber@greenriver.edu

Program Website: Welding Technology | <https://www.greenriver.edu/students/academics/degrees-programs/program-maps/trades-industrial-tech-aviation-natural-resources/welding-technology/index.html>

Gainful Employment

Find important information about educational debt, earnings, and completion rates of students who attended these programs at <https://www.greenriver.edu/consumer-information/gainful-employment-information/welding-intermediate-arc-flame/>

Program Outcomes

Students who successfully complete this program will be able to:

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

Requirements

- WELD 142 - Intermediate Welding Credits: 1-13
- WELD 143 - Advanced Arc Welding Credits: 1-13

Last Revised

7/1/2015

High School Diploma

High School Diploma, HSD

Green River College's High School Completion Program is an alternative way to earn a high school diploma. Although originally designed for adult students 19 years and older, students 16-18 may participate. Successful students meet Washington State and Green River College requirements for graduation and are issued an official State of Washington high school diploma. Students must complete a minimum of one credit at Green River in order to earn a high school diploma from Green River.

Washington State Graduation requirements differ depending on the student's age and academic history. As a result, **every student's situation is unique. This makes it essential that all students meet with an advisor/ educational planner/case manager to review which classes are necessary to complete their diploma.**

Minimum Washington State High School Requirements

5 Green River credits = 1 High School credit

* Washington state high school graduation requirements are subject to change based on the student's incoming year. Be sure to talk about your specific plan of study with an advisor after receiving your official transcript evaluation from Enrollment Services.

We strongly encourage students to make an educational plan with their advisor to ensure that they take the appropriate classes for their particular graduation requirements.

English (20 credits)

Select from any ENGL/ENGL& or any course below:

Reading/Literature:

- READ 104 - Reading Mastery Credits: 5
- ELL 60 - English Language Learning Level 6 Credits: 1-15
- IBEST 37 - Early Childhood Education Success for TS 5 Credits: 3-10
- IBEST 38 - Early Childhood Education Success for TS 6 Credits: 3-10
- IBEST 47 - BTAC Success for TS 5 Credits: 3-10
- IBEST 48 - BTAC Success for TS 6 Credits: 3-10
- IBEST 57 - Student Success in the Trades for TS 5 Credits: 3-10
- IBEST 58 - Student Success in the Trades for TS 6 Credits: 3-10
- IBEST 67 - Nursing Assistant Success for TS 5 Credits: 3-10
- IBEST 68 - Nursing Assistant Success for TS 6 Credits: 3-10

- TS 65 - Language Arts in Social Studies Level 5 Credits: 5-10
- TS 66 - Language Arts in Social Studies Level 6 Credits: 5-10
- TS 75 - Language Arts and Literature Level 5 Credits: 5-10
- TS 76 - Language Arts and Literature Level 6-1 Credits: 5-10
- TS 77 - Language Arts and Literature Level 6-2 Credits: 5-10
- TS 85 - Language Arts in Science Level 5 Credits: 5-10
- TS 86 - Language Arts in Science Level 6 Credits: 5-10
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20
- TS-OD 65 - Language Arts in Social Studies Level 5 Open Doors Credits: 5-10
- TS-OD 66 - Language Arts in Social Studies Level 6 Open Doors Credits: 5-10
- TS-OD 75 - Language Arts and Literature Level 5 Open Doors Credits: 5-10
- TS-OD 76 - Language Arts & Literature Level 6 Open Doors-1 Credits: 5-10
- TS-OD 77 - Language Arts and Lit Level 6 Open Doors-2 Credits: 5-10
- TS-OD 85 - Language Arts in Science Level 5 Open Doors Credits: 5-10
- TS-OD 86 - Language Arts in Science Level 6 Open Doors Credits: 5-10
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20

Writing:

- ENGL 97 - English Express: Integrating Reading and Writing Credits: 10
- ENGL 99 - Introductory Composition Credits: 5
- ENGL& 101 - English Composition I Credits: 5
- ENGL 126 - Writing: Humanities Credits: 5
- ENGL 127 - Writing: Social Science Credits: 5
- ENGL 128 - Research Writing: Science/Engineering/Business Credits: 5
- ENGL& 235 - Introduction to Technical Communication Credits: 5
- ENGL& 236 - Creative Writing I Credits: 5
- ENGL& 237 - Creative Writing II Credits: 5
- ENGL 239 - Espial Workshop Credits: 5

Communication Studies

- CMST& 101 or higher

Math (15 credits)

Select from the following

- MATH 70 - Pre-Algebra Credits: 5
 - MATH 72 - Elementary Algebra Credits: 5
- With 5 of those credits at MATH 72 or higher

- IBEST 47 - BTAC Success for TS 5 Credits: 3-10
- IBEST 48 - BTAC Success for TS 6 Credits: 3-10
- IBEST 57 - Student Success in the Trades for TS 5 Credits: 3-10
- IBEST 58 - Student Success in the Trades for TS 6 Credits: 3-10
- IBEST 67 - Nursing Assistant Success for TS 5 Credits: 3-10
- IBEST 68 - Nursing Assistant Success for TS 6 Credits: 3-10
- TS-OD 54 - Open Doors Math Review Support Credits: 1-10
- TS-OD 55 - Open Doors Math Review Credits: 5-10
- TS-OD 56 - OD Math High School Equivalency 1 Credits: 5-10
- TS-OD 57 - OD Math High School Equivalency 2 Credits: 5-8
- TS-OD 58 - OD Math High School Equivalency 1 Support Credits: 1-10
- TS-OD 59 - OD Math High School Equivalency 2 Support Credits: 1-10
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20
- TS 54 - Transitional Studies Math Review Support Credits: 1-10
- TS 55 - Transitional Studies Math Review Credits: 5-10
- TS 56 - TS Problem Solving for Math HS Equivalency I Credits: 5-10
- TS 57 - TS Problem Solving for Math HS Equivalency 2 Credits: 5-8
- TS 58 - TS Math High School Equivalency 1 Support Credits: 1-10
- TS 59 - TS Math High School Equivalency 2 Support Credits: 1-10
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20
- CARP 113 - Foundations and Floor Framing Credits: 1-13
- CARP 114 - Wall and Roof Framing Credits: 1-13
- CARP 115 - Exterior and Interior Finish Credits: 1-13

Science (15 credits)

15 credits of science with 10 of those credits being any lab science course that meets the lab science requirement (see Associate in Arts Degree, AA-DTA for details):

- AP 103 - Essentials of Human Anatomy and Physiology 1 Credits: 5
- AP 104 - Essentials of Human Anatomy and Physiology 2 Credits: 5
- ASTR& 101 - Introduction to Astronomy Credits: 5
- BIOL& 100 - Survey of Biology Credits: 5
- BIOL 103 - Introduction to Botany Credits: 5
- BIOL 110 - Northwest Ecology Credits: 5
- BIOL& 160 - General Biology with Lab Credits: 5
- CHEM& 121 - Introduction to Chemistry Credits: 5
- CHEM& 131 - Introduction to Organic Chemistry and Biochemistry Credits: 5
- ECED& 120 - ECE Practicum 1-Nurturing Relationships Credits: 2
- GEOL& 101 - Introduction to Physical Geology Credits: 5

- GEOL 107 - Fossils and Ancient Earth Credits: 5
- HEALTH 104 - Safety, Basic Life Support and Infection Control Credits: 2
- IBEST 67 - Nursing Assistant Success for TS 5 Credits: 3-10
- IBEST 68 - Nursing Assistant Success for TS 6 Credits: 3-10
- TS-OD 85 - Language Arts in Science Level 5 Open Doors Credits: 5-10
- TS-OD 86 - Language Arts in Science Level 6 Open Doors Credits: 5-10
- MATH& 107 - Math in Society Credits: 5
- MATH 108 - Contemporary Math for Information Technology Credits: 5
- MATH 109 - Mathematical Models in Gaming Credits: 5
- MATH& 141 - PreCalculus I Credits: 5
- MATH& 142 - PreCalculus II Credits: 5
- MATH& 146 - Introduction to Statistics Credits: 5
- MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
- MATH& 148 - Business Calculus Credits: 5
- MATH& 151 - Calculus I Credits: 5
- MATH& 152 - Calculus II Credits: 5
- MATH& 163 - Calculus III Credits: 5
- MATH& 131 - Mathematics for Elementary Education 1 Credits: 5
- MATH& 132 - Mathematics for Elementary Education 2 Credits: 5
- MATH 238 - Differential Equations Credits: 5
- MATH 240 - Topics in Linear Algebra Credits: 5
- MATH& 254 - Calculus IV Credits: 5
- MATH 256 - Statistics for Business and Social Science Credits: 5
- NRS A 104 - Nurse Assistant Theory Credits: 3
- NRS A 103 - Nurse Assistant Lab Credits: 3
- OCEA& 101 - Introduction to Oceanography Credits: 5
- PHYS& 110 - Physics Non-Science Majors with Lab Credits: 5
- PHYS& 114 - General Physics I with Lab Credits: 5
- PHYS& 115 - General Physics II with Lab Credits: 5
- PHYS& 116 - General Physics III with Lab Credits: 5
- TS 85 - Language Arts in Science Level 5 Credits: 5-10
- TS 86 - Language Arts in Science Level 6 Credits: 5-10
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20

U.S. History (5 credits)

Select from the following:

- HIST 21 - U.S. History 1 Credits: 5
- HIST 22 - U.S. History 2 Credits: 5
- HIST 135 - The United States Since 1940 Credits: 5

- HIST& 136 - U.S. History I Credits: 5
- HIST& 137 - U.S. History II Credits: 5
- TS-OD 65 - Language Arts in Social Studies Level 5 Open Doors Credits: 5-10
- TS-OD 66 - Language Arts in Social Studies Level 6 Open Doors Credits: 5-10
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20
- TS 65 - Language Arts in Social Studies Level 5 Credits: 5-10
- TS 66 - Language Arts in Social Studies Level 6 Credits: 5-10
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20

Civics and Government (3 credits)

Select from the following:

- HSC 25 - Civics and Government Credits: 3-5
- POLS& 202 - United States Government Credits: 5
- TS 25 - HS+21-Civics and Government Credits: 3-5
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20

Washington State History (3 credits)

Students who have taken Washington State History or Pacific NW History in high school will have satisfied this credit. Students who took either of these classes in Middle School will need to take a social studies class.

Select from the following:

- ANTH& 210 - Indigenous Peoples of North America Credits: 5
- ANTH& 216 - Indigenous Peoples of the Northwest Coast Credits: 5
- HIST 24 - Pacific Northwest and Washington State History Credits: 5
- HIST& 214 - Pacific Northwest History Credits: 5
- TS 24 - HS 21+-Pacific NW & Washington State History Credits: 3-5
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20

Social Studies (3 credits)*

Select 1 course from the following

- AMES 100 - Introduction to American Ethnic Studies Credits: 5
- AMES 150 - Race and Ethnicity in the Pacific Credits: 5
- ANTH& 100 - Survey of Anthropology Credits: 5
- ANTH& 206 - Cultural Anthropology Credits: 5
- ANTH& 234 - Religion and Culture Credits: 5
- ANTH& 235 - Cross-Cultural Medicine Credits: 5
- ECON 100 - Economic Principles and Applications Credits: 5
- GEOG& 100 - Introduction to Geography Credits: 5
- GEOG 123 - Globalization Credits: 5
- GEOG& 200 - Human Geography Credits: 5
- GEOG 201 - World Regional Geography Credits: 5
- HIST 120 - History of the Movies Credits: 5
- HIST& 126 - World Civilizations I Credits: 5
- HIST& 127 - World Civilizations II Credits: 5
- HIST& 128 - World Civilizations III Credits: 5
- HIST 135 - The United States Since 1940 Credits: 5
- HIST& 136 - U.S. History I Credits: 5
- HIST& 137 - U.S. History II Credits: 5
- HIST& 215 - Women in U.S. History Credits: 5
- HIST& 220 - African-American History Credits: 5
- HIST 230 - Modern Europe Credits: 5
- HIST 231 - Modern Asia Credits: 5
- HIST 233 - History of Latin America Credits: 5
- HIST 237 - History of Australia and New Zealand Credits: 5
- HIST 240 - The Civil War Credits: 5
- HIST 250 - The Vietnam War Credits: 5
- TS 65 - Language Arts in Social Studies Level 5 Credits: 5-10
- TS 66 - Language Arts in Social Studies Level 6 Credits: 5-10
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20
- TS-OD 65 - Language Arts in Social Studies Level 5 Open Doors Credits: 5-10
- TS-OD 66 - Language Arts in Social Studies Level 6 Open Doors Credits: 5-10
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20

Contemporary World History, Geography, and Problems (5 credits)

Select from the following:

- AMES 100 - Introduction to American Ethnic Studies Credits: 5

- ECON 100 - Economic Principles and Applications Credits: 5
- ECON& 201 - Micro Economics Credits: 5
- ECON& 202 - Macro Economics Credits: 5
- GEOG& 200 - Human Geography Credits: 5
- GEOG 201 - World Regional Geography Credits: 5
- HIST 231 - Modern Asia Credits: 5
- HIST 250 - The Vietnam War Credits: 5
- TS-OD 65 - Language Arts in Social Studies Level 5 Open Doors Credits: 5-10
- TS-OD 66 - Language Arts in Social Studies Level 6 Open Doors Credits: 5-10
- TS-OD 95 - Open Doors-Prior Learning Assessment 1 Credits: 5-30
- TS-OD 96 - Open Doors-Prior Learning Assessment 2 Credits: 5-20
- PHIL 102 - Contemporary Moral Problems Credits: 5
- POLS& 101 - Introduction to Political Science Credits: 5
- POLS& 203 - International Relations Credits: 5
- POLS& 204 - Comparative Government Credits: 5
- SOC& 101 - Introduction to Sociology Credits: 5
- TS 65 - Language Arts in Social Studies Level 5 Credits: 5-10
- TS 66 - Language Arts in Social Studies Level 6 Credits: 5-10
- TS 95 - HS 21+ Prior Learning Assessment 1 Credits: 5-20
- TS 96 - HS 21+ Prior Learning Assessment 2 Credits: 5-20

Fitness/Health (10 credits)

A minimum of 3 credits is required from List A. The remaining credits may be taken from any combination of List A and List B.

List A

- HL ED 150 - Total Wellness Credits: 5
- HL ED 180 - Food and Health Credits: 3
- P E 101 - Physical Fitness Lab Credits: 2
- P E 102 - Jogging Credits: 2
- P E 103 - Total Physical Fitness Credits: 3
- P E 111 - Aerobic Walking Credits: 2
- P E 131 - Weight Training Credits: 2
- P E 149 - CORE Training for Health Credits: 2
- P E 160 - Exercise and Nutrition Credits: 3
- P E 165 - Exercise and Health Credits: 3
- ECED& 107 - Health, Safety and Nutrition Credits: 5
- TS 92 - HS21+ Prior Learning Assessment-Health & Fitness Credits: 1-20
- TS-OD 92 - HS21+ Open Doors PLA-Health & Fitness Credits: 1-20

List B

- HL ED 190 - Standard First Aid/CPR Credits: 3
- P E 109 - Court Games Credits: 3
- P E 112 - Karate Credits: 1
- P E 113 - Group Dynamic Activities Credits: 1
- P E 114 - Cardio Conditioning Credits: 1
- P E 115 - Kick-Box Aerobics Credits: 1
- P E 117 - Badminton/Pickleball Credits: 1
- P E 118 - Volleyball Credits: 1
- P E 119 - Intermediate and Advanced Volleyball Credits: 1
- P E 121 - Badminton Credits: 1
- P E 122 - Archery Credits: 1
- P E 124 - Indoor Soccer Credits: 1
- P E 129 - Pickleball Credits: 1
- P E 131 - Weight Training Credits: 2
- P E 132 - Strength Conditioning Credits: 1
- P E 136 - Yoga 1 Credits: 1
- P E 137 - Body Toning Credits: 1
- P E 138 - Zumba Credits: 1
- P E 147 - Pilates/Yoga Credits: 1
- P E 148 - CORE Training Credits: 1
- P E 158 - Cardio Fusion Credits: 1
- P E 160 - Exercise and Nutrition Credits: 3
- P E 165 - Exercise and Health Credits: 3
- P E 201 - Advanced Physical Fitness Lab Credits: 2
- P E 202 - Physical Fitness Lab Credits: 2
- P E 212 - Advanced Jogging Credits: 2
- P E 215 - Advanced Aerobic Walking Credits: 2
- P E 216 - Advanced Karate Credits: 1
- P E 231 - Advanced Weight Training Credits: 2
- P E 236 - Yoga 2 Credits: 1
- P E 237 - Advanced Body Toning Credits: 1
- P E 247 - Advanced Pilates/Yoga Credits: 1
- P E 248 - Advanced Core Training Credits: 1
- P E 251 - Advanced Sport Conditioning Credits: 2
- P E 253 - Advanced Total Physical Fitness Credits: 3
- P E 258 - Advanced Cardio Fusion Credits: 1
- HEALTH 104 - Safety, Basic Life Support and Infection Control Credits: 2
- TS 92 - HS21+ Prior Learning Assessment-Health & Fitness Credits: 1-20
- TS-OD 92 - HS21+ Open Doors PLA-Health & Fitness Credits: 1-20

Career and Technical (5 credits)

5 credits from any professional/technical course with the following prefixes: A, SIM, ACCT, ATECH, AVIA, B A, BUS, BTAC, CAD, CARP, CRC, CJ, C S, ECED, ECED& 107, EDUC, ENGR, H SCI, INDUS, IT, JOURN, MFG, MTX, NATRS, NURSE, OTA, PHLEB, PHOTO, PTA, SDEV, WWT, WST, WTECH, WELD; or any course listed below.

- IBEST 37 - Early Childhood Education Success for TS 5 Credits: 3-10
- IBEST 38 - Early Childhood Education Success for TS 6 Credits: 3-10
- IBEST 47 - BTAC Success for TS 5 Credits: 3-10
- IBEST 48 - BTAC Success for TS 6 Credits: 3-10
- IBEST 57 - Student Success in the Trades for TS 5 Credits: 3-10
- IBEST 58 - Student Success in the Trades for TS 6 Credits: 3-10
- IBEST 67 - Nursing Assistant Success for TS 5 Credits: 3-10
- IBEST 68 - Nursing Assistant Success for TS 6 Credits: 3-10
- ECON& 201 - Micro Economics Credits: 5
- ECON& 202 - Macro Economics Credits: 5
- NRS A 104 - Nurse Assistant Theory Credits: 3
- NRS A 103 - Nurse Assistant Lab Credits: 3
- TS 94 - HS21+ Prior Learning Assessment-Occupational Ed Credits: 1-20
- TS-OD 94 - HS21+ Open Doors PLA - Occupational Ed Credits: 1-20

Arts (5-10 credits)

Personalized Pathway Requirements (PPR): determined by High School & Beyond Plan; any class on a certificate program or any class on an AAA or AAS. Up to 1 credit PPR permitted for Art requirement and up to 2 credits PPR permitted for World Language requirement.

5 credits in any fine arts or performing arts course with the following prefixes: ART; DANCE; DRMA; MUSC; PHOTO.

- TS 93 - HS21+ Prior Learning Assessment-Art Credits: 1-20
- TS-OD 93 - HS21+ Open Doors Prior Learning Assessment-Art Credits: 1-20

World Language (10 credits)

10 credits in any Green River non-English world language sequential courses levels 1 or 2; TS 95, 96.

World Languages will be considered satisfied if students have completed their education through the 7th grade in schools where English was not the language of instruction and in countries other than Australia, Canada, Ireland, New Zealand, the UK, and the U.S.

- HSC 97 - High School Completion World Languages PLA Credits: 5-20
- TS 97 - Transitional Studies World Languages PLA Credits: 5-20
- TS-OD 97 - Open Doors World Languages PLA Credits: 5-20

Electives (25 or 20 credits)*

20 - 25 credits, as needed to total of 95-100 credits. Any Green River credit, except ESOL or ELL and classes under the 100 level that are not listed above.

- TS 20 - Transitional Studies Academic Orientation and Planning Credits: 1-8
- TS-OD 20 - Academic Orientation and Planning for Open Doors Credits: 1-8

High School & Beyond Plan

Complete with program or faculty advisor.

Total Credits

95-120 credits*

We strongly encourage students to make an educational plan with their advisor to ensure that they take the appropriate classes for their particular graduation requirements.

Notes

* Washington state high school graduation requirements are subject to change based on the student's incoming years. 2015 freshman and beyond have updated graduation requirements which may be partially satisfied by PPR. Be sure to talk about your specific plan of study with an advisor after receiving your official transcript evaluation from Enrollment Services or International Programs.

International and Running Start students are not eligible to take TS classes.

Last Revised

7/1/2025

Course Descriptions

This section includes a brief description of each credit class offered on a regular basis at Green River College. Classes are arranged in alphabetical order according to the college department that offers the class.

Each listing includes a course number (prefix & code/number), course title, number of credits awarded, prerequisite, course outcomes, and academic transfer distributions are also designated where applicable. Common course numbers are identified by an "&" symbol at the end of the department abbreviation.

Course numbers 100-299 are designated for Green River College programs and courses that transfer to senior institutions (transfer is sometimes limited). The 100 series is ordinarily for first-year students and the 200 series for second-year students, but this distinction varies because of differing requirements at other colleges and universities. The 300 and 400 level series are for third- and fourth-year students. The courses 0-99 are pre-college level courses, are designed to ease your transition to college and start on a pathway to a degree.

Consult the "Programs of Study" section of this catalog and your faculty advisor for specific information about each class and about which classes will meet your requirements.

Accounting

ACCT 110 - Practical Accounting 1

Credits: 5

Elementary course covering the complete accounting cycle for service businesses, including the basic functions of analyzing, classifying, recording, and summarizing accounting data. Topics may include journals, ledgers, worksheets, adjusting entries, financial statement preparation, payables, and banking procedures.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Analyze, record and post business transactions, adjusting entries and closing entries, using a general journal, special journals, a general ledger and subsidiary ledgers.

Prepare trial balances, worksheets, bank reconciliations and financial schedules and statements.

Program Outcomes

- Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.
- Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.
- Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.
- Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 111 - Practical Accounting 2

Credits: 5

A continuation of ACCT 110 covering the accounting cycle for merchandising businesses, with an emphasis on generally accepted accounting principles. Topics may include payroll and other short-term liabilities, special journals, receivables, bad debts, inventories and accounting for partnerships.

Enrollment Requirement: ACCT 110 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze, record and post business transactions for payroll and payroll taxes, inventory, uncollectible accounts and notes, and adjusting entries and closing entries involving inventory.

Prepare payroll and payroll tax reports, trial balances, worksheets and financial schedules and statements.

Program Outcomes

Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.

Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.

Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.

Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT 113 - Practical Accounting 3

Credits: 5

A continuation of ACCT 111. The last in the financial accounting series for the Accounting, AAA. Topics may include accounting for property, plant and equipment, partnerships and corporations, bonds payable, the statement of cash flows, financial statement analysis and manufacturing accounting. May include integrated general ledger accounting software applications and spreadsheet applications.

Enrollment Requirement: ACCT 111 and BTAC 110 with grades of 2.0 or higher; or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Analyze and record business transactions for property, plant and equipment, partnerships, corporations and bonds.

Prepare financial schedules and statements for partnerships, corporations, manufacturing businesses and cash flow.
Use financial statement analysis and financial ratios to evaluate financial information.
Demonstrate the effective use of accounting applications using Excel.

Program Outcomes

Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.
Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.
Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT& 201 - Principles of Accounting I

Credits: 5

The first course in the accounting transfer sequence. Introduces basic principles, concepts, theories and procedures of recording, analyzing, and interpreting financial data. Students learn fundamentals of the accounting cycle, recording and classifying of transactions, and construction of financial statements. Students study manual and electronic accounting systems, accounting for cash, internal control, receivables, payables, and inventory. Includes computer application.

Enrollment Requirement: Eligible for ENGL& 101 and MATH 147; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify the purpose and uses of financial accounting.

Record and adjust basic business transactions.

Construct a basic income statement, balance sheet, and statement of stockholders' equity.

Use a computer application to calculate amounts, solve problems, and/or record business transactions.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

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ACCT& 202 - Principles of Accounting II

Credits: 5

The second course in the accounting transfer sequence. Topics include fixed assets, liability and equity sections of the balance sheet, the statement of cash flows, and financial statement analysis. Uses problem solving and application of generally accepted accounting principles to promote critical reasoning. Includes computer application.

Enrollment Requirement: Eligible for ENGL& 101 and MATH 147; and ACCT& 201 with a grade of 2.0 or higher; or instructor consent. **Recommended:** BUS& 101 and computer spreadsheet skills.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Calculate appropriate amounts and record common business transactions relating to long-term assets, current and long-term liabilities, and stockholders' equity.

Construct a basic statement of cash flows.

Analyze the performance of an organization using financial analysis techniques.

Use a computer spreadsheet application to calculate amounts, solve problems, and prepare reports.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT& 203 - Principles of Accounting III

Credits: 5

The third course in the accounting transfer sequence. Covers introductory concepts of managerial accounting. Topics include job-order costing, cost-volume-profit relationships, budgeting, standard costs, variance analysis, differential analysis for decision making, and capital budgeting. Includes computer application.

Enrollment Requirement: ACCT& 202 with a grade of 2.0 or higher; or ACCT 113 with a grade of 2.0 or higher; or instructor consent

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of managerial accounting and cost concepts.
- Use job costing, cost-volume-profit, and capital budgeting techniques.
- Prepare components of various budgets; and compute and analyze variances.
- Use a computer spreadsheet application to calculate amounts and solve problems.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT 212 - QuickBooks for Accounting

Credits: 5

Provides hands-on experience using QuickBooks online. Includes comprehensive coverage of setting up accounting records, recording sales and purchases transactions, accounts receivable, accounts payable, inventory management and job costing. The capstone financial accounting course for the accounting certificate. Previously ACCT 112.

Enrollment Requirement: ACCT 110 or ACCT& 201; and BTAC 100 with grades of 2.0 or higher; or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Use QuickBooks to record accounting activities including company set-up, sales and accounts receivable, purchases and accounts payable for service and merchandising businesses, inventory management, adjusting and end-of-period procedures.

Program Outcomes

Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.

Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.

Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.

Use general ledger computerized software to perform bookkeeping/accounting functions including preparation of financial statements and accounting reports for a small to medium sized business.

Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT 215 - Advanced Business Computation

Credits: 5

Expands the computational skills of students preparing to enter business and accounting employment. Provides a thorough review of more complex arithmetic processes and their application to typical business and accounting problems. Covers topics such as annuities, installment buying, mortgages, insurance, investments and business statistics.

Enrollment Requirement: BTAC 110 with a grade of 2.0 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Correctly calculate, analyze and apply advanced computational techniques to business and accounting situations to obtain information needed for recording transactions and decision making.

Program Outcomes

- Utilize appropriate technology, including word processing and spreadsheet applications, to input, manage, summarize, and interpret business information and to develop forms and reports to assist management in planning operations, identifying potential problems, and controlling business activities.
- Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles
- Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT 218 - Individual Taxation

Credits: 5

Introduces the principles and problems in tax accounting for individuals. Includes the concepts of gross income, adjusted gross income, taxable income, deductions, exemptions, and credits. Provides experience in completing tax reporting forms manually and with tax return preparation software. Previously ACCT 118.

Enrollment Requirement: ACCT 111 or ACCT& 201 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze and calculate standard deductions and exemptions and items of gross income, business income and expenses, itemized deductions, credits and special taxes.

- Prepare income tax forms.

- Demonstrate the effective use of tax preparation software.

Program Outcomes

- Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.

- Utilize appropriate technology, including word processing and spreadsheet applications, to input, manage, summarize, and interpret business information and to develop forms and reports to assist management in planning operations, identifying potential problems, and controlling business activities.

- Prepare individual Federal Income tax returns and utilize computerized tax software.

- Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT 221 - Payroll Accounting

Credits: 5

In-depth coverage of payroll calculations, payroll taxes, maintaining proper payroll records and preparing necessary deposits and filings. Includes an Excel-based payroll project. Previously ACCT 121.

Enrollment Requirement: ACCT 111 or ACCT& 201 with a grade of 2.0 or higher.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compute employee payroll and employer payroll taxes.
- Prepare payroll records and reports.
- Analyze and journalize payroll transactions in an accounting system.

Program Outcomes

- Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.
- Perform accounting procedures employed in a typical payroll accounting system including preparation of periodic tax forms and timely remittance of tax payments.
- Utilize appropriate technology, including word processing and spreadsheet applications, to input, manage, summarize, and interpret business information and to develop forms and reports to assist management in planning operations, identifying potential problems, and controlling business activities.
- Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 260 - Governmental and Non-Profit Accounting

Credits: 5

A framework for accounting processes and financial reporting for government and not-for-profit organizations. Topics include general and special fund accounting for hospitals, charities, foundations, colleges and universities, and government agencies.

Enrollment Requirement: ACCT 113 or ACCT& 202 with a minimum 2.0 grade or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze government and not-for-profit financial reporting and how it differs from for-profit businesses, including basic government and fund statements.
- Apply fund accounting practices for the types of funds used by governments and not-for-profits.
- Explain the recognition of revenue and expenditures in governmental entities.
- Define and apply the process that governments use to account for permanent and fiduciary funds.
- Analyze and discuss the accounting and financial reporting requirements for not-for-profit organizations.
- Explain the complexities of financial analysis, including calculating and interpreting financial ratios.
- Discuss the use and application of ethics in governmental and non-profit accounting.

Program Outcomes

- Demonstrate knowledge of accounting and business operations and the ability to correctly use common accounting vocabulary.
- Analyze and record business transactions and activities in accordance with Generally Accepted Accounting Principles.
- Perform bookkeeping/accounting procedures required in entry- or intermediate-level bookkeeping/accounting positions.
- Use general ledger computerized software to perform bookkeeping/accounting functions including preparation of financial statements and accounting reports for a small to medium sized business.
- Perform accounting procedures employed in a typical payroll accounting system including preparation of periodic tax forms and timely remittance of tax payments.
- Utilize appropriate technology, including word processing and spreadsheet applications, to input, manage, summarize, and interpret business information and to develop forms and reports to assist management in planning operations, identifying potential problems, and controlling business activities.
- Prepare individual Federal Income tax returns and utilize computerized tax software.

Demonstrate critical thinking, analytical and quantitative skills in problem solving, decision making, and responsibility by completing assignments independently and/or as a dependable team member.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ACCT 301 - Intermediate Accounting I

Credits: 5

The first course in the intermediate accounting sequence. Expands on topics covered in earlier financial accounting courses. Offers a deeper look at financial accounting theory and standards. Reviews the accounting cycle including the preparation of financial statements and disclosures. Introduces the statement of comprehensive income. Covers revenue recognition and the measurement and reporting of current assets.

Enrollment Requirement: Admission into the BAS in Accounting program; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the recognition, measurement, and disclosure concepts that guide accounting practice.
- Perform all steps in the accounting cycle.
- Prepare the income statement, statement of comprehensive income, balance sheet, and statement of cash flows.
- Prepare required financial statement disclosure notes.
- Value current assets.

Program Outcomes

Apply the accounting concepts, principles, and standards of Generally Accepted Accounting Principles (GAAP) to the measurement and reporting of economic transactions.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 302 - Intermediate Accounting II

Credits: 5

A continuation of Intermediate Accounting I. Covers valuation and financial reporting of long-term assets, debt and equity investments, current liabilities, contingencies, bonds, long-term notes payable, and leases.

Enrollment Requirement: Admission into the BAS in Accounting program; and ACCT 301 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Value long-term assets at acquisition, compute depreciation, and account for disposition.

- Account for debt and equity investments, including financial statement presentation.

- Account for common current liabilities and contingencies.

- Account for bonds and long-term notes payable.

- Account for leases.

Program Outcomes

Apply the accounting concepts, principles, and standards of Generally Accepted Accounting Principles (GAAP) to the measurement and reporting of economic transactions.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 303 - Intermediate Accounting III

Credits: 5

A continuation of Intermediate Accounting II and the last course of the sequence. Covers accounting for income taxes, pensions and other post-retirement benefits, shareholders' equity, and additional financial reporting issues.

Enrollment Requirement: Admission into the BAS in Accounting program; and ACCT 302 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Account for income taxes, including financial statement presentation and disclosure notes.

- Account for pension plans and post-retirement benefits.

- Account for shareholders' equity transactions involving stock, treasury stock, retained earnings, dividends, stock dividends, and stock splits.

- Compute basic and diluted earnings per share.

- Account for changes in an accounting principle, changes in an accounting estimate, and correction of errors.

Program Outcomes

Apply the accounting concepts, principles, and standards of Generally Accepted Accounting Principles (GAAP) to the measurement and reporting of economic transactions.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 394 - Special Topics: Accounting

Credits: 5

Examines selected current topics in the accounting field. Explores the steps involved in becoming a Certified Public Accountant (CPA), including navigating the process of becoming eligible for, preparing for, and taking the CPA Exam. Also explores the Certified Management Accountant (CMA) certification and the steps involved in obtaining the CMA credential.

Enrollment Requirement: Admission into the BAS in Accounting program; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain and discuss selected current topics in the accounting field.

- Describe the steps necessary to become a Certified Public Accountant (CPA).

- Describe the steps necessary to obtain the Certified Management Accountant (CMA) certification.

Program Outcomes

Demonstrate the ability to pursue next steps for career and professional development in the accounting and auditing industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ACCT 410 - Cost Accounting

Credits: 5

Explores the fundamentals of cost accounting for decision making. Examines cost concepts and behavior; cost analysis and estimation; and a variety of cost management systems, such as job costing, process costing, standard costing, service department cost allocation, and joint cost allocation. Also covers planning, budgeting, and variance analysis.

Enrollment Requirement: Admission into the BAS in Accounting program; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply cost concepts and behavior to aid in decision making.
- Perform cost-volume-profit analysis.
- Use differential analysis to make pricing decisions.
- Estimate cost behavior.
- Apply the concepts of job costing and process costing.
- Allocate service department costs and joint costs.
- Work with budgets and perform variance analysis.

Program Outcomes

Use cost management systems and techniques, including budgeting and variance analysis, to inform organizational decision making.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 411 - Auditing

Credits: 5

Examines the nature and purpose of financial auditing, auditing standards, and professional conduct. Explores audit evidence, documentation, planning, and assessing risk. Covers internal control, audit sampling, and procedures to obtain evidence about financial statement accounts. Emphasis on materiality, audit risk, and audit reports.

Enrollment Requirement: Admission into the BAS in Accounting program; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the AICPA (American Institute of CPAs) Code of Professional Conduct.
- Employ a risk-based approach and professional skepticism to determine sufficient appropriate audit evidence, audit procedures, and documentation.
- Plan an audit: Obtain understanding of the client, assess risks, determine materiality, and create the audit plan.

Design audit procedures to test internal control.
Perform audit sampling for tests of controls and analyze results.
Design appropriate audit procedures to obtain evidence about specific financial statement accounts and classes of transactions.
Prepare audit reports in accordance with auditing standards.

Program Outcomes

Analyze, interpret, and audit financial statements and other quantitative and qualitative accounting and finance data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 430 - Accounting Information Systems and Controls

Credits: 5

Introduces accounting information systems concepts. Covers accounting system processes and controls relevant to each of the major business processes. Explores internal controls and commonly used control and governance frameworks.

Enrollment Requirement: Admission into the BAS in Accounting program; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Analyze and apply accounting information systems concepts and controls to the major business processes.

Describe regulatory requirements of internal control and commonly used internal control frameworks.

Program Outcomes

Analyze and apply information systems concepts to the accounting process.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ACCT 450 - Business Taxation

Credits: 5

An in-depth study of U.S. federal income tax concepts and their application to corporations and partnerships. Covers preparation of tax forms and tax planning.

Enrollment Requirement: Admission into the BAS in Accounting program; and ACCT 218 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply U.S. federal income tax rules to compute corporate income tax liability and prepare Form 1120.
- Report the operations of a partnership on Form 1065.
- Account for income taxes in the financial statements.
- Recognize and consider tax planning strategies and tax implications of business decisions.

Program Outcomes

Apply U.S. federal income tax rules, prepare federal income tax returns for individuals and businesses, and explain tax implications of business decisions.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 480 - Business Analytics in Accounting

Credits: 5

Introduces business analytics processes and applications in the context of accounting and finance. Prepares students to understand, manage, and wrangle data; apply

appropriate analytical and data visualization methods; and communicate findings for business decision making.

Enrollment Requirement: Admission into the BAS in Accounting program; and SDEV 101 with a grade of 2.0 or higher; or instructor consent

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain business analytics applications, types of data, data sources, data privacy, and data ethics.

Communicate with appropriate parties to determine the analysis to be performed.

Apply data management and data wrangling methods.

Utilize various data visualization methods for a variety of business purposes.

Communicate findings and relevance of analytical procedures to business stakeholders in a nontechnical, understandable manner.

Program Outcomes

Analyze data, using common data analytics tools, to support organizational decision making.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ACCT 490 - Accounting Internship/Capstone

Credits: 5

The capstone experience for students in the BAS in Accounting program. Drawing on experience gained throughout the program, students demonstrate their knowledge, technical skills, communication and interpersonal skills, and a professional attitude in an internship; or, if an internship cannot be obtained, by completing an instructor-approved major project.

Enrollment Requirement: Admission into the BAS in Accounting program; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate the knowledge, technical skills, and communication and interpersonal skills acquired throughout the BAS in Accounting program by successfully completing an internship or major project.

Program Outcomes

Drawing on experience gained throughout the program, demonstrate knowledge, technical skills, communication and interpersonal skills, and a professional attitude in a capstone internship or project.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

American Ethnic Studies

AMES 100 - Introduction to American Ethnic Studies

Credits: 5

Social and historical overview of the interrelationships between Indigenous, Black, and other People of Color in the United States. Focuses on relations with each other and with the dominant society.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the systems of oppression and its relations to the concepts of privilege, prejudice, discrimination, segregation, integration, pluralism, acculturation, and assimilation.

Connect major historical events that have significantly impacted Black, Indigenous, and other People of Color.

Explain Black, Indigenous, and other People of Color's contributions made to the United States.

Analyze experiences or points of view held by members of different ethnic groups.

Identify issues and breakthroughs that Black, Indigenous, and other communities of color face in United States today.

Program Outcomes

Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of Color's narratives.

Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 103 - Intersections of Race, Gender, Class and Sexuality

Credits: 5

Overview of the intersections of race, gender, class and sexuality. Students shift from thinking of these as separate demographic attributes to an understanding of how these systems of oppression reinforce each other, structure people's experiences, shape identity formation, determine life chances and create social continuity and conflict.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Develop a framework of how systems of oppression operate simultaneously in people's lives.

Articulate identities as socially constructed and intersectional.

Explain Black, Indigenous, and other people of color's contributions made to the United States.

Program Outcomes

Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives.
Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 105 - Social Inequality and Change in American Sports

Credits: 5

Examines issues of diversity in American sports from 1900 to the present. Topics include the ways in which social inequality affects access to and participation in sports, the importance of and impact of Title IX, how sports contribute to the stereotyping of marginalized groups in society and the ways in which athletes and sports have been agents of social change by challenging norms and assumptions concerning race, gender, sexuality and ability.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Interpret and critique the social, cultural and historical significance of sports in American culture.

Articulate the ways in which access to particular sports are structured in the United States and how access affects participation in sports across racial, ethnic, gender and class lines.

Examine the social and historical origins of stereotypes related to the participation in sports of particular groups.

Correlate the ways that athletes and sports have contributed to social change.

Program Outcomes

Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives.
Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 150 - Race and Ethnicity in the Pacific

Credits: 5

An interdisciplinary social and theoretical overview of the interrelationships that exist among various groups in the Northwest consisting of Washington, Oregon, and Idaho. Focuses on the historical, economic, political and social connections of Native American, African American, Latino/a, and Asian American/Pacific Islander with each other and with the dominant society.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Distinguish social constructions, power relationships, prejudice, discrimination and segregation, integration, pluralism and assimilation.

Articulate the ways in which race/ethnicity intersects with gender, sexuality, and class.

Indicate key historical events unique to the history of race and ethnicity in the Northwest.

Discuss significant contributions that each group makes to the development of Northwest history and society.

Interpret narratives and frames of reference held by members of different racial and ethnic groups.

Investigate problems and opportunities that various racial and ethnic groups face in the Northwest.

Program Outcomes

Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives.
Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 194 - Special Topics-American Ethnic Studies

Credits: 1-5

Focuses on a special topic in ethnic studies. Course presentations develop theoretical concepts for students. Students may repeat the course when a different topic is presented.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate an in-depth understanding of the political, social, and economic issues facing particular groups.

Program Outcomes

Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives.
Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 206 - Identity and Education in Hawai'i

Credits: 5

Focuses on Hawai'i as a site for exploring the islands as the land and its people negotiate a global milieu. Through historical texts, western and indigenous theory, art, music and local travel we will explore what it means to live in Hawai'i. This program will also explore its connection to the U.S. occupation of the Hawai'i and its implications on Pacific Islander American students' identity and academic achievement particularly in the Aloha State. This inquiry will draw on fieldwork, historic site visits, and scholarly sources. Students will survey their mutual foundation and interconnectedness in situating colonial community formation, tourism, and militarism within the similar critical lens.

Enrollment Requirement: Concurrent enrollment in AMES 253. Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Formulate a comprehensive framework of race, ethnicity, class, and other intersectionality in Hawai'i.
- Recognize the culture, history, and academic achievement gap issues of the indigenous Hawaiians, Polynesians, and other communities of color in Hawai'i.
- Use academic research to evaluate racial issues, disparities, and inequalities.
- Discern and analyze the implications of United States contact and settlement in the Kingdom of Hawai'i.
- Discuss contemporary issues of concern to the indigenous Hawai'ians, Polynesians and other communities of color.

Program Outcomes

- Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives
- Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 214 - Sociology of Race and Ethnicity

Credits: 5

Overview of major sociological perspectives in the study of race and ethnicity in society, including group relations, social stratification, and social change. Students survey theories, data, and sociohistorical/cultural processes useful for better understanding today's social world. Emphasizes using sociological scholarship to solve modern racial dilemmas. Cross-listed with SOC 214.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate race and ethnicity as social concepts.

- Recognize the relevance of Ethnic Studies to approaching social problems created by race.

- Research and evaluate racial issues, disparities, and inequalities.

- Describe how race, ethnicity, power, and privilege are used to stratify society within the systems of oppression.

- Classify the racial and ethnic patterns shaping our modern society.

- Identify consequences of race as a social construction.

- Use Ethnic Studies to advance the goal of realizing racial equality.

Program Outcomes

- Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives

- Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 230 - Introduction to Critical Asian American & Pacific Islander Studies

Credits: 5

Provides an introduction to the interdisciplinary study of Asian American & Pacific Islander in the United States and its territories. Examines issues of race, class, gender, and sexuality, immigration/migration, citizenship, labor, racialization, exclusion, social and political activism and social movements, family, community-building, war, imperialism, sovereignty, (post) colonialisms, transnationalism, culture, and creative expressions.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Explicate how race intersects with gender, sexualities, and socio-economic class.

- Compare and contrast the history and cultural production of Asian Americans and Pacific Islanders in the United States, within both multiracial American and transnational contexts.

- Evaluate critical theories and methodologies to identify the structural and ideological forces that shape the lives of Asian American & Pacific Islander.

Program Outcomes

- Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives.

- Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 253 - Community Formation in Hawai'i

Credits: 2

The course is tied to the broad themes and questions of AMES 100 and AMES 103 as they play out in the specific places of Hawai'i including localizing knowledge and community engagement. This course is to examine questions regarding the production of knowledge about communities and nations. What does it mean to use categories that refer to specific groups and nations? How do these categories arise? Who benefits from these categories and whom they disadvantage? This course will also enable its participants to then apply critical thinking skills to knowledge-production issues related to communities of color in Hawai'i. Participants will learn different ways of understanding the specificities of communities of color such as Filipino American and Samoan American migration and colonization histories, identity and community formations, and institutional and national politics, as they all relate to critiques of ethnicity, "nation," and power.

Enrollment Requirement: Concurrent enrollment in AMES 206. Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze the concepts of social constructions, power relationships, prejudice, discrimination and segregation, integration, pluralism and assimilation.
- Indicate the ways in which race/ethnicity intersect with gender, sexuality, and class.
- Produce a critical analysis of key historical events unique to the history of race and ethnicity in Hawai'i.
- Identify significant contributions that each settler groups have made to the development of Hawai'i history and society.
- Explore lived experiences and viewpoints held by members of different racial and ethnic groups.
- Research the problems and opportunities that various racial and ethnic groups face in the Kingdom of Hawai'i.

Program Outcomes

- Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives
- Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AMES 299 - Independent Study-American Ethnic Studies

Credits: 1-5

Allows and encourages a student to study independently in an area of their special interests in American ethnic studies. Student and instructor decide course content, type and scope of work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an in-depth understanding of a specific topic.
- Design and execute a research project to explore the topic.

Program Outcomes

- Articulate knowledge of comparative and interdisciplinary topics related to Black, Indigenous, and other People of color's narratives.
- Demonstrate skill in community organizing.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Anthropology

ANTH& 100 - Survey of Anthropology

Credits: 5

Provides a basic understanding of the four sub-fields of anthropology: Physical anthropology, archaeology, linguistics, and sociocultural anthropology. Units of study include evolution, culture, human biological and cultural origins, primate behavior, pre-history, language acquisition, and cultural development.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe nature of anthropology and its uniqueness as a discipline.
- Explain biological evolutionary theory, and how it applies to human evolution specifically.
- Discuss why humans are classified as primates and yet are unique kinds of primates.
- Examine primate and human evolution, including the complex interrelationships between human biology and culture.
- Identify the major primate and human fossils and their provenience
- Explain the basic components of human heredity and how these interact with environments to produce human biological variation.
- Identify the nature of the race concept, historically and contemporarily, and how some problems of human biological variation are being studied by physical anthropologists.
- Point out the basic tools and methods of archeology and the importance of context in the exploration of human history and prehistory.
- Briefly discuss dating techniques and their applications.
- Analyze human acquisition of language, and our efforts to understand primate communication.
- Discuss the concept of culture, and its importance to human survival.
- Point out different economic and kinship structures around the world, and how they work to create human alliances.

Program Outcomes

- Define the anthropological concept of cultural relativism.
- Identify the holistic perspective.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ANTH& 104 - World Prehistory

Credits: 5

Exploration of some of the most well-known archaeological discoveries from the distant and recent past (such as Olduvai Gorge, Ice Age Caves, Jericho, Egyptian pyramids, Harappa, Stonehenge, Xianyang, Teotihuacan, Cahokia, Mesa Verde, Great Zimbabwe, Chichen Itza, Machu Picchu, Ozette, etc.). Offers global coverage and scientific interpretation of archaeological evidence for our human past.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop an appreciation of the course of human prehistory within its environmental settings.
- Analyze well-known archaeological case studies to explain how archaeological data are obtained, recorded, and analyzed to solve research problems provoked by the studies.
- Explain theories of cultural evolution and major transformative processes experienced by the human species in differing environmental contexts.
- Identify cultural and ecological diversity through the study of remains of various ancient cultures.
- Recognize legal responsibilities facing world citizens and their collective past.
- Critically evaluate current findings within an archaeological/ecological framework.
- Compare material evidence of economic, social, and political stratification.

Program Outcomes

- Define the anthropological concept of cultural relativism.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 106 - American Mosaic: Cultures of the United States

Credits: 5

The study of cultures of historically marginalized groups of the United States from the perspectives of ethnicity, race, gender and class. Special emphasis on anthropological methods and approaches to enhance understanding of contemporary socio-cultural lifeways.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Articulate the anthropological concept of culture.

- Identify, analyze and articulate the construction of individual identity, personal perspective and personal biases.

- Identify, analyze and discuss the dynamics of institutional and attitudinal discrimination in the US.

- Identify, define and discuss ethnocentrism, cultural relativism, and extreme relativism.

- Analyze and discuss the multicultural context of the US and its rapidly changing demographic profile.

- Distinguish between racial classification and the anthropological approach to human variation.

- Identify and analyze the complexities of socioeconomic class in the US.

- Identify the diversity of family and household forms in the US.

- Explore anthropological approaches to understanding diversity.

- Work in groups to collaborate, interact and communicate effectively while discussing matters of social inequality.

Program Outcomes

Define the anthropological concept of cultural relativism.
Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH 108 - Food, Drink and Culture

Credits: 5

Food and drink are essential components to human survival and as such the center of a myriad of human activities throughout human history. This course provides a cross-cultural and global view of food and drink that examines these essentials of life from the cultural, biological, archaeological, and linguistic perspectives of Anthropology. Students will develop and enhance their intercultural competence by examining various cross-cultural perspectives of food, while also building a foundation in methodological approaches to studying culture.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

Explain the role that nutritional anthropology plays in understanding human consumption of food and drink.

Develop an understanding of some of the main methodological techniques of anthropology and identify appropriate uses of these methods in the study of food, drink, and culture.

Assess the human diet from a human biological evolutionary perspective, especially the influences that our primate origins have on our overall nutritional needs.

Demonstrate an understanding of the complexity and origins of world cuisines and beverages from a cross-cultural perspective.

Connect various aspects of culture to the choice and consumption of food and drink.

Identify the symbolic aspects of food and drink in various cultures and how these items convey values and norms.

List or recognize major global food challenges, such as sustainability and food inequalities, that the world faces today and develop an expanded awareness of different world views while challenging ethnocentrism.

Analyze one's own diet through the lens of nutritional anthropology.

Program Outcomes

Define the anthropological concept of cultural relativism.

Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH 194 - Special Topics-Anthropology 1

Credits: 1-5

Focuses on a special topic in anthropology. Course presentations develop theoretical concepts for students. Students may repeat the course when a different topic is presented.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain main theoretical perspectives of the topic.
- Explain main methodological techniques of the topic.
- Explain concept of the topic.

Explain basic principles of critical thinking and analysis.

Program Outcomes

Define the anthropological concept of cultural relativism.

Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 204 - Archaeology

Credits: 5

An introduction to the techniques, methods and goals of archaeological research, including excavation and dating of archaeological materials and general problems encountered in explaining archaeological phenomena.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

The outcomes of this course will be determined based on the available field experience.

Program Outcomes

Define the anthropological concept of cultural relativism.

Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ANTH& 205 - Biological Anthropology

Credits: 5

Study of human evolution including the theories of evolution by natural selection and other means. Examines human evolution through the fossil record, the comparison of human and non-human primates in behavior and morphology, and modern human variations and their implications to human adaptation.

Enrollment Requirement: Eligible for ENGL& 101; or instructor consent.

Recommended: ANTH& 100 or BIOL& 100 with a grade of 2.0 or higher.

Satisfies Requirement: Natural Science or Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain current anthropological views of genetics and evolution.

- Explain the varieties of primate species and their anatomical and behavioral characteristics.

- Explain the biological and behavioral consequences of bipedalism.

- Explain the evolution of hominid species.

- Explain the causes and degree of human variation.

Program Outcomes

- Define the anthropological concept of cultural relativism.

- Identify the holistic perspective.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 206 - Cultural Anthropology

Credits: 5

Study of the field of sociocultural anthropology with emphasis on the nature of culture, types of social systems in society, and the way they work. Includes theoretical and methodological issues in anthropology and ethnographic studies, while examining cross-cultural perspectives.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe some of the main theoretical perspectives of cultural anthropology and acquire the necessary knowledge and skills required to critically examine ethnographic works.
- Develop an understanding of some of the main methodological techniques of cultural anthropology and identify appropriate uses of these methods in the study of cultural diversity.
- Demonstrate a basic understanding of the concept of culture.
- Display a basic understanding of the concept of cultural relativism and apply this concept to both anthropological and real-world situations.
- Show a basic understanding of the concept of cross-cultural comparison and develop an expanded awareness of different world views while challenging ethnocentrism.
- Develop an increased knowledge of some principles of critical thinking and analysis particularly those relevant to increased cross-cultural understanding and communication.

Program Outcomes

- Define the anthropological concept of cultural relativism.
- Identify the holistic perspective.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 207 - Linguistic Anthropology

Credits: 5

Introduces the sub-discipline of linguistics within the larger discipline of anthropology. Covers methods and theories in the study of language in anthropology including the structure of language; language through history; a comparison between human and non-human communication; the innate human capacity for language; the relationship between language, thought, and culture; and the study of language, power, and identity. Course emphasizes cross-cultural perspective.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain a sense of the different areas of focus in the study of language in anthropology.
- Explain the structure of language and the various levels of analysis of linguistic structure.
- Explain what historical linguistics is.
- Identify the major language families of the world.
- Comprehend both the similarities and differences between human and non-human modes of communication.
- Explain the arguments and evidence given for the innate human capacity for language.
- Discuss the connections between cognition and language.
- Discuss the relationship between language and culture.
- Explain how language can be used in social settings to convey power and identity.

Program Outcomes

- Define the anthropological concept of cultural relativism.
- Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ANTH& 210 - Indigenous Peoples of North America

Credits: 5

Study of the Indigenous Peoples of North America (north of Mexico) as they are known from historical and ethnographic sources. Covers the representative cultures of all the major regions with some greater emphasis on the northwest coast.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the geographical and culture areas of North America.

- Recognize the differences and commonalties among Native Americans.

- Relate the archaeology and history of Native American tribes.

- Explain subsistence patterns, economic and social organization, kinship systems, art and religion of Native American tribes.

- Relate the impact of Euro-American contact and settlement on Native-American cultures including the stereotypes and discrimination patterns used against Native-Americans as well as Native-American reactions to these practices including revitalization and the rise of militant movements.

- Relate the impact of Euro-American contact and settlement on Native American cultures.

- Discuss contemporary issues of importance to Native Americans including coping strategies for dealing with the dominant culture.

Program Outcomes

- Define the anthropological concept of cultural relativism.

- Identify the holistic perspective.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 216 - Indigenous Peoples of the Northwest Coast

Credits: 5

Covers the historical, ethnographic and informant sources of the Indigenous Peoples cultures of the Northwest Coast (a cultural area extending from southern Alaska to northern California with an internal boundary of the Cascade Mountains).

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the geographical and tribal areas of the Northwest Coast.
- Identify the differences and commonalties among the Northwest Coast tribes.
- Discuss the archaeology and history of the region.
- Discuss the subsistence patterns, economic and social organization, kinship, art and religious beliefs of the Northwest Coast tribes.
- Discuss the impact of European and American contact and settlement for the Northwest Coast tribes.
- Identify the issues of contemporary concerns of the Northwest Coast tribes.

Program Outcomes

- Define the anthropological concept of cultural relativism.
- Identify the holistic perspective.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH 220 - Sex, Gender and Culture

Credits: 5

Presents an evolutionary, comparative, and holistic approach to sex and gender from the perspective of Anthropology. Explores the concepts of sex and gender through all four

fields (cultural anthropology, biological anthropology, archaeology, and linguistics). Course materials illustrate how ideas about sex and gender vary in different times and cultures.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the four-field approach of Anthropology.
- Differentiate between the concepts of sex and gender.
- Recognize biological and cultural influences on sex and gender.
- Analyze the role of biological evolution in human sex and gender.
- Critique androcentric bias of past research.
- Contrast how gender roles are understood from archaeological evidence.
- Assess how constructions of gender categories and roles are culturally and historically created.
- Compare cross-cultural examinations of sex and gender.
- Recognize or characterize the historical and political uses of sex and gender.
- Examine the role of communication in gender expression.

Program Outcomes

- Define the anthropological concept of cultural relativism.
- Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 234 - Religion and Culture

Credits: 5

Introduces the concepts and theories characterizing the anthropological study of religion as a system within culture. Focuses on the cross-cultural examination of religious organizations, beliefs, rituals and practitioners.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop an understanding of religion as a system within culture.

- Describe the anthropological perspective on religion.

- Develop an understanding of the cross-cultural diversity of religious concepts, organizations, practice, ritual and practitioners.

Program Outcomes

- Define the anthropological concept of cultural relativism.

- Identify the holistic perspective.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 235 - Cross-Cultural Medicine

Credits: 5

Uses ethnographic, informant and popular sources to study cross-cultural examination of health beliefs, care systems and healer/patient relationships.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the impact of culture on health and illness beliefs and behavior.

- Identify health care systems.

- Identify different types of healers and explain dynamics of healer-patient relationships.

Relate the distinction between illness and disease.
Discuss and utilize explanatory models.

Program Outcomes

Define the anthropological concept of cultural relativism.
Identify the holistic perspective.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH& 236 - Forensic Anthropology

Credits: 5

Covers the application of physical anthropology to medico-legal death investigation. Introduces the science of skeletal biology, the associated concepts of human variation, and their applications within a forensic context.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Obtain a basic understanding of the human skeleton including individual bone recognition, the differentiation between human and nonhuman skeletal elements, and the derivation of a biological profile from human skeletal remains.

Practice critical thinking in exploring the information available from skeletal remains and the way in which such information contributes to forensic investigation. This includes an understanding of scientific certainty, or less formally, what one is comfortable testifying to in a court of law.

Program Outcomes

Identify the holistic perspective.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ANTH 273 - Field Archeology

Credits: 1-10

Provides the student with fieldwork in archaeology through experiences in site survey, excavation, recording, classifying, cataloging and reporting.

Enrollment Requirement: ANTH& 100 and eligible for ENGL& 101; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$4.00

ANTH 294 - Special Topics-Anthropology 2

Credits: 1-5

Focuses on a special topic in anthropology. Course presentations develop theoretical concepts for students. Students may repeat the course when a different topic is presented.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain main theoretical perspectives of the topic.
- Explain main methodological techniques of the topic.
- Explain concept of the topic.
- Explain basic principles of critical thinking and analysis.

Program Outcomes

- Define the anthropological concept of cultural relativism.
- Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH 298 - Independent Study-Anthropology 1

Credits: 1-5

Allows student to pursue a special interest in anthropology under the direction of an instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Isolate a problem of anthropological interest and develop knowledge related to solving the problem.

Program Outcomes

Define the anthropological concept of cultural relativism.

Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH 299 - Independent Study-Anthropology 2

Credits: 1-5

Allows student to pursue a special interest in anthropology under the direction of an instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Isolate a problem of anthropological interest and develop knowledge related to solving the problem.

Program Outcomes

Define the anthropological concept of cultural relativism.

Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ANTH 335 - Advanced Cross-Cultural Medicine

Credits: 5

Across cultures, humans have diverse understandings, beliefs, and practices related to illness, health, and healthcare. Through the lens of Medical Anthropology, this class examines the range of human variations (such as race, gender, sexual orientation, able-bodiedness, religious identity, and ethnic groups) that impact the understanding of health, illness, and treatment. The course uses ethnographic, informant and popular sources to explore health beliefs, care systems and healer/patient relationships cross-culturally.

Enrollment Requirement: Enrollment in the LPN to BSN Program.

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the impact of culture on health and illness beliefs and behavior.

Identify different types of healers and healer-patient relationships.

Analyze the influences of biological, cultural, and social factors on health and access to healthcare, with particular focus given to variation in race, gender, ability, and socio-economic status.

Describe global patterns that affect epidemiology.

Identify anthropological contributions to health care interventions, research, and education.

Program Outcomes

Define the anthropological concept of cultural relativism.

Identify the holistic perspective.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Anatomy and Physiology

AP 100 - Survey of Human Anatomy and Physiology

Credits: 5

Covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Introduces common human disease processes. Prepares non-science majors and allied-health profession students to take advanced anatomy and physiology courses.

Enrollment Requirement: Eligible for ENGL& 101.

Satisfies Requirement: Natural Science

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Define basic anatomical and physiological terms.

Describe the normal anatomy and physiology of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary and reproductive systems and diseases common to these systems.

Describe how body systems interact with one another in human health and disease.

Explain the concept of homeostasis and give examples of homeostatic regulatory mechanisms in cells, tissues, organs, and body systems.

Program Outcomes

Recognize and use essential components of effective reasoning to evaluate information and to improve the quality of their own thinking.

Apply relevant criteria and intellectual standards when evaluating their thinking as well as the thinking of others.

Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.

Demonstrates active communication and close reading skills.

Connect past learning with current topics.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AP 102 - Bringing Anatomy and Physiology to Life

Credits: 5

Intended for students interested in taking human anatomy and physiology without going into the depth of the other Green River anatomy/physiology course. Intended for non-science majors and for students not pursuing an allied health career. Develops an understanding of the structure and function of some of the key systems in the human body. Non-lab science course.

Enrollment Requirement: Eligible for ENGL& 101 or MATH 72.

Satisfies Requirement: Natural Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define basic anatomical and physiological terms for specific systems.
- Describe the normal anatomy and physiology for selected systems and diseases common to these systems.
- Describe how body systems interact with one another in human health and disease.
- Explain the concept of homeostasis and give examples of homeostatic regulatory mechanisms in cells, tissues, organs, and body systems.

Program Outcomes

- Recognize and use essential components of effective reasoning to evaluate information and to improve the quality of their own thinking.
- Apply relevant criteria and intellectual standards when evaluating their thinking as well as the thinking of others.
- Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.
- Use active listening and close reading skills.
- Connect past learning with current topics.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AP 103 - Essentials of Human Anatomy and Physiology 1

Credits: 5

Introductory course in human anatomy and physiology. First of a two-quarter sequence including the study of structure and function of cells, tissues, and the integumentary, skeletal, muscular, and nervous systems. Introduces common human disease processes. Laboratory component includes anatomical studies using microscopy and dissection and the study of physiological concepts via experimentation. AP 100 strongly recommended.

Enrollment Requirement: Eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$18.00

Course Outcomes:

Students who successfully complete this class will be able to:

Define basic anatomical and physiological terms.
Describe the structure and function of cells and tissues.
Explain the concept of homeostasis and give examples of homeostatic regulatory mechanisms in cells, tissues, organs, and organ systems.
Describe the normal anatomy and physiology of the integumentary, skeletal, muscular, and nervous systems and diseases common to these systems.

Program Outcomes

Recognize and use effective reasoning to evaluate information and to improve the quality of their own thinking.
Apply relevant criteria when evaluating their thinking as well as the thinking of others.
Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.
Demonstrate active listening and reading skills.
Connect past learning with current topics.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AP 104 - Essentials of Human Anatomy and Physiology 2

Credits: 5

Introductory course in human anatomy and physiology. Second of a two-quarter sequence including the study of the endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Introduces common human disease processes. Laboratory component includes anatomical studies using microscopy and dissection and the study of physiological concepts via experimentation.

Enrollment Requirement: AP 103 with a grade of 2.0 or higher and eligible for ENGL& 101; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$18.00

Course Outcomes:

Students who successfully complete this class will be able to:
Define basic anatomical and physiological terms.

Describe the normal anatomy and physiology of the endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems as well as diseases common to these systems.

Describe how body systems interact with one another in human health and disease.

Explain the concept of homeostasis and give examples of homeostatic regulatory mechanisms in cells, tissues, organs, organ systems etc.

Program Outcomes

Recognize and use effective reasoning to evaluate information and to improve the quality of their own thinking.

Apply relevant criteria when evaluating their thinking as well as the thinking of others.

Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.

Demonstrate active listening and reading skills.

Connect past learning with current topics.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AP 210 - Cadaver Anatomy

Credits: 1

Comprehensive review of human cadaver anatomy for health professionals and students of the health professions. Covers major muscles, skin, bones and joints, internal organs, blood vessels, the brain, spinal cord and major nerves. Uses dissected cadavers to study anatomical variations, pathologies, and anatomical change due to the aging process.

Enrollment Requirement: Concurrent enrollment in AP 104 or BIOL& 242; and eligible for ENGL& 101; or instructor consent.

Satisfies Requirement: Natural Science

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe superficial and deep anatomical relations of major organs and organ systems.

Describe normal anatomical variations among individuals and describe anatomical changes which occur as a part of aging or disease processes.

Participate in discussion, palpation, observation and comparison of multiple dissections, and be able to link the anatomy to specific anatomical systems and system functions.

Program Outcomes

Demonstrate knowledge of and a willingness to accept stated/agreed upon expectations, policies, and procedures through lectures/discussions, appropriate attitudes and behaviors in the classroom and lab.

Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons through lectures/discussions, analysis of dissection material.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Arabic

ARAB 121 - Arabic I

Credits: 5

A beginning language course focusing on the study of Modern Standard Arabic. It develops the ability to read, speak, listen and write in Arabic through the consideration of cultural themes, language functions, and authentic situations. Stresses communication using both formal and informal Arabic and exposes the students to the diversity and social issues of the Arab-speaking world.

Enrollment Requirement: Eligible for ENGL 99. No previous background in the study of this language.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Pronounce sounds, letters, and words using the modern standard Arabic alphabet, mastering the Arabic letters in both the written and the phonetic forms.
- Apply simple grammatical structures to daily communication, describing people, places, and things and common interpersonal transactions and protocols, using courtesy phrases and formal and informal address.
- Identify and discuss basic components of Arabic culture and its diversity: history, geography, living space, social interactions, and various Arabic dialects.
- Distinguish both verbal and nominal genders and understand that Arabic is a verb-based language.
- Write simple paragraphs using the present tense, some prepositions, and simple agreement between nouns and adjectives. Comprehend meaning and understand new words in context.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ARAB 122 - Arabic II

Credits: 5

The second level of the first year of Modern Standard Arabic language used throughout the Arab World. Develops the four communicative language skills: listening, speaking, reading, and writing. It stresses communication skills and emphasizes the links between language, culture and history.

Enrollment Requirement: Eligible for ENGL 99 and ARAB 121 with a grade of 2.0 or higher; or equivalent with instructor consent. The equivalent of ARAB 121 is one year in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Correctly use most of the basic forms and grammatical structures of Modern Standard Arabic, including pronouns, noun-verb agreement, the parts of speech, numbering system, past and present tenses, the comparative form, the negative form.
- Comprehend the basic verbal and nominal structures of Arabic sentences, correctly conjugating verbs in past, present, and future tenses. Formulate complex sentences in Arabic in writing, comprehend them when spoken, and converse with adequate vocabulary on topics such as university life, home life, hobbies, and music using both affirmative and negative sentences.
- Use the Nisba adjective and the Nisba cases of the noun to talk about nationality and origins and to describe feelings and moods. Use the Idafa construction to understand the use of the possessive pronouns.
- Correctly use possessive, demonstrative and independent pronouns, in their singular and plural forms.
- Deduce meaning from new words based on their verb root.
- Describe basic differences between Arab culture and American and day-to-day details of life in the Middle East.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ARAB 123 - Arabic III

Credits: 5

The third level of the first year of the Modern Standard Arabic language used throughout the Arab World. Develops the four communicative language skills: listening, speaking, reading, and writing at the appropriate level. Stresses communication skills and emphasizes understanding the connections between the language with the culture and diversity of the Arab-speaking World.

Enrollment Requirement: Eligible for ENGL 99 and ARAB 122 with a grade of 2.0 or higher; or equivalent with instructor consent. The equivalent of ARAB 122 is two years in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Correctly use advanced Arabic grammar and words (gerund and verbal sentences, irregular verbs, conditional tense, verbal nouns, and the imperative).
- Comprehend and actively participate in complex conversations about daily life situations and basic intellectual topics (religion, politics, culture, etc.).
- Read Arabic material of limited complexity and carry out written transactions and simple correspondence connected to daily life; write notes, short letters, journals and compositions describing an event or personal experience.
- Correctly use more complex forms and grammatical structures of Modern Standard Arabic, including the imperative mood.
- Read and comprehend text without the diacritical marks using Kana and its sisters and Inna and its sisters to navigate the text.
- Correctly use the passive voice, negating verbs in both the present and the past tense, and negating nouns.
- Identify basic cultural information introduced in theme-specific vocabulary, photographs, and authentic video material centered on the Arabic-speaking world as well as explain culturally embedded ways of thinking, behaving and seeing the world expressed in the Arabic-speaking world, and how these new insights inform your perspective on your own culture.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Art

ART& 100 - Art Appreciation

Credits: 5

Art Appreciation is an introduction to the basic elements and principles of art and visual culture, as well as the media with which artists create.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this course will be able to:

- Identify formal elements and critically analyze art based on its form.

- Distinguish artistic media.

- Demonstrate familiarity with artistic techniques and different art-making methods.

- Identify the content and context of art, and critically analyze art based on its content and context.

- Identify the purposes and functions of art.

- Assess the impact of art, demonstrating an understanding of art's relationship to broader social, political, and cultural meanings in different global traditions.

Reading and video assignments, writing assessments, a studio art project, and chapter test/quiz assessments will enable students to achieve these course objectives.

Program Outcomes

Demonstrate knowledge of visual art elements and principles

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 105 - Beginning Drawing

Credits: 5

Covers the use of line, shape, light and shadow, perspective, and fundamentals of composition in the context of drawing based on observation and creative expression. Introduces students to the figure, forms in nature, landscape, interior spaces, and still life.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Show proficiency with hand/eye coordination in relationship to drawing from observation.
- Apply sighting methods to check proportion, angles, and spatial alignments.
- Identify and apply atmospheric and linear perspective concepts.
- Show familiar with a variety of black and white media, including the use of eraser as a drawing tool.
- Understand the many components of light and shadow, and the descriptive quality of surface texture.
- Demonstrate the ability to use effective compositions in their drawings.
- Show proficiency with various drawing techniques, gesture, contour, and tonal.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 106 - Intermediate Drawing

Credits: 5

Focuses on the human form as a basis for learning about anatomy, composition, relationship of figure to environment, line, shape, value, and color.

Enrollment Requirement: ART 105 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop observation skills in terms of weight, balance, and gesture of the figure.
- Explore the various possibilities within the picture plane in a more creative and complex manner.
- Investigate the abstraction of human form.
- Explore the use of traditional materials, including mixed media.
- Apply skills and concepts for creative expression.
- Analyze the context in a drawing.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

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ART 107 - Advanced Drawing

Credits: 5

Further explores the human form as subject matter for drawing as a means of creating a coherent visual and expressive statement.

Enrollment Requirement: ART 106 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop observation skills and translating observations into visual expressions.
- Experiment with a variety of surfaces, drawing media, and collage to investigate line, value, form, and composition.
- Investigate traditional techniques and contemporary trends.
- Consider the figure as a vehicle for conveying meaning and as a vital way to invoke associations to culture and history.

Program Outcomes

Demonstrate an understanding of the elements and principles of visual arts.
Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 109 - Beginning Design

Credits: 5

Introduces the visual elements of design and the fundamental principles of visual organization. Uses computers and traditional materials. Through visual problem solving, students strengthen their compositional skills while obtaining a better understanding of the visual world and the vocabulary with which to discuss it.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate their approach to the creative process by developing and refining ideas, problem solving, working through technical and craftsmanship challenges, and reflecting upon a resolved solution.

Demonstrate knowledge of the basic elements and principles of design through the completion of creative projects.

Participate in critiques and demonstrate the ability to respond to and evaluate art using reasoned judgment and clear design vocabulary.

Program Outcomes

Demonstrate an understanding of the elements and principles of visual arts.
Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 110 - Intermediate Design and Color

Credits: 5

Continues the study of two-dimensional design through exploration and understanding of color theory. In-depth exploration of color theory principles such as additive and subtractive color systems, color harmony and palette analysis, color interaction and the expressive impact of color. Digital and traditional media are used for visual problem-solving exercises.

Enrollment Requirement: ART 109 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate understanding of the theoretical rules within the additive and subtractive color systems.

- Mix color and how to use a color wheel.

- Demonstrate understanding of the basic properties of color, hue, value and saturation.

- Demonstrate understanding of palette relationships through the use of color harmonies and chords.

- Create art that demonstrates conceptual understanding of color through color's expressive and spatial effects.

- Demonstrate understanding of local color, subjective color and optical color.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.

- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 111 - Painting 1

Credits: 5

Introduces students to traditional and contemporary concepts and techniques in oil painting. Working from still life and landscape, students learn to organize form, color, and tone while practicing various methods of application, color mixing, and surface preparation.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate compositional development of objects/shapes in the picture plane.
- Create simple to involved landscape and still-life assignments.
- Demonstrate light and shade theories as applicable to painting.
- Demonstrate color evaluation and its relationship to creating depth and volume.
- Demonstrate the ability to become more fluent in making their concepts and responses materialize.
- Demonstrate the ability to respond to and evaluate an aesthetic experience using reasoned judgment.
- Demonstrate the ability to abstract and examine relationships between parts.
- Demonstrate the ability to be creative and value good craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.

Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 112 - Painting 2

Credits: 5

Students further the skills taught in ART 111 and investigate painting as a means for self-expression. Explores advanced compositions and use of various materials.

Enrollment Requirement: ART 111 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate advanced compositional development.

- Create 3-dimensional landscapes on a 2-dimensional surface using traditional perspective theories.

- Demonstrate light and shade theories as applicable to painting.

- Demonstrate the use of color as a signifier.

- Demonstrate the ability to become more fluent in making their concepts and responses materialize.

- Demonstrate the ability to respond to and evaluate an aesthetic experience using reasoned judgment.

- Demonstrate the ability to abstract and examine relationships between parts.

- Demonstrate the ability to be creative and value good craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.

- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ART 113 - Painting 3

Credits: 5

Provides advanced instruction in painting using objectives taught in ART 112. Students demonstrate advanced compositional theories and painting methods.

Enrollment Requirement: ART 112 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate advanced compositional development.

- Create 3-dimensional landscapes on a 2-dimensional surface using traditional perspective theories.

- Demonstrate light and shade theories as applicable to painting.

- Demonstrate the use of color as a signifier.

- Demonstrate the ability to become more fluent in making their concepts and responses materialize.

- Demonstrate the ability to respond to and evaluate an aesthetic experience using reasoned judgment.

- Demonstrate the ability to abstract and examine relationships between parts.

- Demonstrate the ability to be creative and value good craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.

- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ART 114 - Pottery 1

Credits: 3-5

Students develop an appreciation of clay as an art medium. Introduces students to the fundamental methods of clay construction, hand building, and the use of the potter's wheel through utilitarian pottery and sculpture. Course traces the history of ceramics and its development from a global thematic approach. Art transfer students must take ART 251 instead of ART 114.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the fundamental methods of clay construction in pottery and sculpture.
- Be exposed to the fundamental concerns of clay sculpture and utilitarian pottery.
- Demonstrate a familiarity with ceramic terminology and process.
- Demonstrate their concepts based on aesthetic and design principles.
- Demonstrate their design concepts through sketches and maquettes.
- Develop an awareness of clay's role in society, from a global thematic approach.
- Demonstrate respect for themselves, fellow students, and the studio environment.
- Course content learning outcomes will be assessed by the instructor.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ART 115 - Pottery 2

Credits: 3-5

Students continue to develop their skills on and off the potter's wheel. Instructor leads students through discussions of the forming process of object-making. Encourages students to explore the visual, tactile, and intellectual possibilities through this art medium. Art transfer majors must take ART 252 instead of ART 115.

Enrollment Requirement: ART 114.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proficiency in the use of ceramic terminology and process.

- Demonstrate the development of their sensibilities to the forming process of art making.

- Demonstrate the visual, tactile, and intellectual possibilities of clay.

- Explore the historical context from which their concepts develop.

- Demonstrate respect for themselves, fellow students, and the studio environment.

- Course content learning outcomes will be assessed by the instructor and the student peers.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 119 - 3-Dimensional Design

Credits: 5

Explores the fundamentals of form and space with 3-D projects. Students investigate various mixed media materials, and become familiar with structure, mass, color, and scale.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop techniques of research and idea development through sketchbook project requirements.

- Demonstrate three-dimensional processes through visual problem solving through the carving and building projects.

- Demonstrate an understanding of creativity in the context of three-dimensional structures by creative problem-solving of the requirements in the assemblage and form over function projects.

- Demonstrate the value of good craftsmanship through skill development and the relationship of appropriate materials to the idea by overall neatness and effective construction skills in all free-standing projects.

- Participate in critiques and demonstrate the ability to respond to and evaluate art using reasoned judgment by participation in and preparedness for the projects' critiques.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.

- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 120 - Introduction to Graphic Design

Credits: 5

Introduces the principles of graphic form to convey meaning and communicate ideas through text and imagery. Students learn the principles of visual communication through compositional-layout, color and typography in a variety of formats. Digital and traditional media are used for visual problem-solving exercises.

Enrollment Requirement: ART 109 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice the creative process by developing a concept map, gathering source materials, creating process thumbnail sketches and workup models, finalizing a solution and reflecting upon the process.
- Communicate an idea and problem solve using the elements and principles of design with a particular focus on typography, color, layout concepts and visual organization.
- Identify and use the characteristics and terminology of basic typography.
- Demonstrate how imagery and typography in combination function as a catalyst for dynamic visual communication.
- Create a graphic design portfolio.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 123 - Beginning Videography

Credits: 5

Provides a theoretical and practical understanding of videography through the techniques of video production. Students will explore camera operation, video capture, audio, lighting and creativity within the context of video photography as an art form. This course will include a creative project from conception through completion using current audio and video editing software.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the proper use of camera controls (including aperture, shutter speed, white balance, and ISO).
- Apply the elements of composition.
- Demonstrate effective lighting techniques.
- Apply editing techniques in a creative and cohesive way to their work.
- Apply editing techniques to create clean and clear audio.
- Demonstrate organized file management.
- Illustrate a concept or idea through storyboarding.

Program Outcomes

Demonstrate an understanding of the elements and principals of design.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 130 - Watercolor Painting

Credits: 3

Combines watercolor techniques with drawing media to create landscapes, interiors, and figure studies from observation. Emphasizes building foundational skills for the purpose of expressive sketchbooks, illustrations, notational journal drawings, and portfolio presentations.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

Mix colors using watercolor media.

Manipulate the paper for special effects.

Learn watercolor techniques: wet into wet, glazing, direct painting, transparent and opaque washes, and dry brush.

Incorporate drawing into a watercolor painting.

Demonstrate the ability to use effective compositions in their paintings.

Demonstrate an understanding of the dimensional qualities of light and shadow within a painting.

Program Outcomes

Demonstrate an understanding of the dimensional qualities of light and shadow within a painting.

Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 135 - Introduction to Screen Printing

Credits: 5

Introduces the traditional and contemporary concepts and techniques of screen printing. Screen Printing is a stenciling technique used to mass produce imagery and text. Prints are made by applying inked images through a screen to a variety of surfaces, including paper and t-shirts.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the process of creation from initial design to the final product.
- Create design sketches and refine on the computer.
- Translate a design onto the screen mesh for printing.
- Screenprint design considering form, color, and tone.
- Practice various methods of application, color mixing, and surface preparation.

Program Outcomes

Demonstrate an understanding of the elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ART 139 - Introduction to Digital Illustration

Credits: 3

Introduces students to the process of creating narrative illustrations through digital media. Focus is on creative development of a theme, storyboarding techniques, and the use of digital media for drawing and painting.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

1. Establish a working productive creative process and will demonstrate this process from sketch to finished illustration through clear and efficient workflow and consistent participation.
2. Research storytelling and narrative art in order to gain an understanding of create their own compelling narrative illustrations.
3. Illustrate clear and appropriate mood to fit a narrative which specifically addresses

color use and shape design.

4. Apply basic compositional principles and techniques.
5. Communicate ideas and narratives through the use of sequential images (storyboarding).
6. Develop and strengthen their design vocabulary through the critique process.
7. Demonstrate basic technical skills using the digital lab software.

Program Outcomes

Demonstrate an understanding of the elements and principles of visual arts.
Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 140 - Introduction to Animation

Credits: 5

Students will create their own animations from still photographs, mixed media, drawings, and/or digital media. The course introduces the basics of stop-motion animation, and the industry standard software used to edit animated movies.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate conceptual understanding of narrative through the process of storyboarding and reflection.

Demonstrate understanding of the structure of stop-motion animation by creating still imagery via photography, drawing and digital stills.

Create animations digitally.

Edit movies by adding audio soundtracks and titles.

Work on a creative team.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 177 – Art Work Experience 1

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 178 - Art Work Experience 2

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 179 - Art Work Experience 3

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 180 - The Artist's Portfolio

Credits: 3

Leads students through the process of organizing a body of artwork into a portfolio. Through discussions, critiques, and demonstrations, students learn how to assemble, document, and provide support materials for a professional portfolio. Course ends with an art exhibition of the student's work.

Enrollment Requirement: ART 105 and ART 109 with grades of 1.0 or higher; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

Develop the skills to create and present an art portfolio.

Critically evaluate technique, form and content in the artwork of a portfolio.

Assemble a package of materials that supports the portfolio artwork.

Display various techniques of documenting artwork.

Program Outcomes

Demonstrate an understanding of the elements and principles of visual arts.
Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 199 - Independent Study-Design

Credits: 1-5

Encourages students to study and develop independently in their major areas of advanced design. Students develop their own objectives, evaluation criteria and performance standards in conjunction with the appropriate instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 212 - History of Art 1

Credits: 5

History of Art 1 is a study of the creation of visual objects, including art and architecture, from the prehistoric period to c. 1400 CE. This course will analyze various cultures and their art-making traditions from around the world.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this course will be able to:

Analyze works of art through their visual elements and artistic content.

Pinpoint the functions and styles of art produced in the prehistoric period to c. 1400 CE.

Discuss the relationship between art and its sociocultural historical context from the prehistoric period to c. 1400 CE.

Assess the historical changes that are recorded through art, including how the acquisition and display of prehistoric and ancient art can impact its meanings and interpretations today

Reading and video assignments, writing assessments, a presentation assignment, and exams will enable students to achieve these course objectives.

Program Outcomes

Demonstrate knowledge of visual art elements and principles.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 213 - History of Art 2

Credits: 5

History of Art 2 is a study of the creation of visual objects, including art and architecture,

from c. 1400 CE to c. 1800 CE. This course will analyze various cultures and their art-making traditions from around the world.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this course will be able to:

Analyze works of art through their visual elements and artistic content.

Pinpoint the functions and styles of art produced from c. 1400 CE to c. 1800 CE.

Discuss the relationship between art and its sociocultural historical context from c. 1400 CE to c. 1800 CE.

Assess the historical changes that are recorded through art, including how the acquisition and display of art can impact its meanings and interpretations today.

Reading and video assignments, writing assessments, a presentation assignment, and exams will enable students to achieve these course objectives.

Program Outcomes

Demonstrate knowledge of visual art elements and principles.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 214 - History of Art 3

Credits: 5

History of Art 3 is a study of the creation of visual objects, including art and architecture, from c. 1800 CE to the present day. This course will analyze various cultures and their art-making traditions from around the world, including contemporary art.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this course will be able to:

Analyze works of art through their visual elements and artistic content.

Pinpoint the functions and styles of art produced from c. 1800 CE to the present day.

Discuss the relationship between art and its sociocultural historical context from c. 1800 CE to the present day.

Assess the historical changes that are recorded through art, including how the acquisition and display of art can impact its meanings and interpretations today.

Reading and video assignments, writing assessments, a presentation assignment, and exams will enable students to achieve these course objectives.

Program Outcomes

Demonstrate knowledge of visual art elements and principles.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 219 - Advanced 3-Dimensional Design

Credits: 5

Further development of 3-dimensional design concepts as they apply to the visual arts. Students work on an independent project, developing an idea through various design stages, culminating in the installation of a final sculpture.

Enrollment Requirement: ART 119 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop ideas for 3-dimensional projects through research of historical context.
- Develop visual problem-solving skills by rendering ideas with a variety of drawing media.
- Demonstrate an understanding of orchestrating space through the concerns of placement and locations.
- Demonstrate an understanding of creativity in the context of 3-dimensional structures.
- Demonstrate the value of good craftsmanship through skill development and the relationship of appropriate materials to the idea.
- Evaluate art and respond to art critique using reasoned judgment.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 240 - History of Art and Feminism

Credits: 5

This course explores how artistic images shape our understanding of gender roles, morality, power, and social justice activism in relation to hetero-patriarchy and Eurocentrism. We will discuss female-identified artists from various global regions and time periods. We will critically examine the tradition of male gaze as it pertains to the visual arts and investigate how various feminist theories have impacted the art world.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this course will be able to:

Identify key female-identified artists from the 19th-21st centuries, using the historical movements of abolition, suffrage and feminist waves of the late 20th century as benchmarks.

Define and utilize art historical terminology as it relates to the art and visual objects produced by female-identified artists.

Analyze the relationship between art created by female-identified artists and its social, cultural and historical contexts, including hetero-patriarchy and Eurocentrism.

Identify and define various feminist theories, and practice a feminist approach to analyzing art.

Explain how artistic images shape our understanding of gender roles, morality, power and social justice activism with an emphasis on an intersectional approach, including attention to race, sexuality, class, and disability.

Demonstrate competency in research and visual analysis skills through written and oral forms of communication.

Reading and video assignments, writing assignments, a studio art project, presentation assignment, and exams will enable students to achieve these course objectives.

Program Outcomes

Demonstrate knowledge of visual art elements and principles.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 241 - History of Indigenous Art of the Americas

Credits: 5

History of Indigenous Art of the Americas is an introduction to the art and visual culture of the Indigenous peoples of the American continents, including those of the Pacific Northwest. The course explores visual objects from prehistoric times until the present day, focusing on artistic process, rituals, and how art can be used as a tool for communication. We will examine how colonialism impacts the meanings of Indigenous identity and art through topics that include appropriation, forgeries, and the collecting and displaying of art.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and analyze Indigenous artistic traditions found in the Americas, based on style and form.
- Explain the artistic process for creating Indigenous visual objects in the Americas, including an understanding of how natural materials and mediums impact the artistic process.
- Identify the content of Indigenous art and the context in which it was created, in order to explain the art's intended function(s).
- Analyze the impact of racism and colonialism on the visual objects created about and by Indigenous communities in the Americas.
- Critically analyze and explain the impact of Western colonial and educational practices in understanding Indigenous visual objects, including appropriation, forgeries, and the collecting and displaying of art.
- Demonstrate an understanding of how art about and by Indigenous people relates to broader social, political and cultural meanings today.
- Create personal artistic expressions (such as painting, drawing, sculpture, collage, or performance) in response to contemporary issues facing Indigenous communities in the Americas.

Program Outcomes

Demonstrate knowledge of visual art elements and principles.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

ART 251 - Ceramics 1

Credits: 5

Introduces students to conceptual problems and challenges with developing solutions in clay. Students demonstrate their understanding of the narrative object and its effectiveness in communicating ideas, values, and identity. Exposes students to non-traditional processes in clay construction, glaze application, firing process, and finishing surfaces, and discusses their aesthetic choices.

Enrollment Requirement: ART 114 and ART 115 with grades of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate their familiarity of ceramic terminology and process.

- Complete assignments based on specific or collective narratives.

- Take part in alternative firing processes: Raku, Horse Hair, Saggar, Salt, and/or Pit-Firing.

- Learn how the material used to create an object may be part of its content

- Use alternative surface treatments.

- Demonstrate familiarity with intermediate glazing techniques.

- Produce sketches and writings to show the development of their concepts.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

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ART 252 - Ceramics 2

Credits: 5

Intermediate course in ceramics in which students demonstrate a complete understanding of the ceramic process through clay construction and firing. Students gain knowledge of various clay bodies, glaze properties and effects. Students demonstrate the ability to work responsibly and safely in the glaze room and mix, test, and assess fired glaze results. Students begin to develop the sensibilities to integrate concept and material in their approach to ceramics.

Enrollment Requirement: ART 251 with a grade 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate their familiarity with the ceramic process: from clay to ceramic.
- Demonstrate their understanding of how to load, fire, and unload kilns.
- Demonstrate their understanding of reduction/ oxidation kiln atmospheres and how the different atmospheres may affect their work.
- Demonstrate their ability to work with kiln equipment in an appropriate safe manner.
- Demonstrate a complete understanding of the health hazards related to some ceramic materials and learn to handle, work, and dispose of them in a safe and environmentally conscious manner.
- Learn the benefits of keeping kiln logs/charts for documentation and assessment.
- Develop the sensibilities to work more independently- to cultivate an individual approach in clay.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ART 253 - Ceramics 3

Credits: 5

Advanced course in ceramics with an emphasis on the rigors of developing the conceptual skills of art making. Students develop an individual approach to a full integration of ideas, materials, and process. Encourages students to experiment with different strategies of clay construction and firing.

Enrollment Requirement: ART 252 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the different strategies of clay construction and firing.
- Demonstrate a full integration of ideas, materials, and process.
- Demonstrate and record anticipated results of clay construction and firing.
- Demonstrate the ability to function independently in the ceramics studio.
- Demonstrate a complete understanding of how the ceramic studio operates.
- Document growth through completed drawings, maquettes, kiln firing charts, clay and glaze-test results.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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responsibilities which will enable them to work successfully individually and with others.

ART 255 - Advanced Painting 1

Credits: 5

Covers theory, as well as practice and encourages originality and creativity. Furthers student understanding of the methods, materials, and ideas that are central to the practice of painting still lifes, figures, and landscapes.

Enrollment Requirement: ART 113 with grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate compositional development of objects/shapes in the picture plane.
- Create simple to involved landscape and still-life assignments.
- Demonstrate light and shade theories as applicable to painting.
- Demonstrate color evaluation and its relationship to creating depth and volume.
- Demonstrate the ability to become more fluent in making their concepts and responses materialize.
- Demonstrate the ability to respond to and evaluate an aesthetic experience using reasoned judgment.
- Demonstrate the ability to abstract and examine relationships between parts.
- Demonstrate the ability to be creative and value good craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ART 256 - Advanced Painting 2

Credits: 5

Students continue to develop their skills in painting by focusing on advanced

compositional theories and abstract concepts. Explores value, pattern, tone, mood, and color theories to stretch and refine abilities. Emphasizes the creative process from concept to finished art.

Enrollment Requirement: ART 255 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate advanced compositional development.

- Create 3-dimensional landscapes on a 2-dimensional surface using traditional perspective theories.

- Demonstrate light and shade theories as applicable to painting.

- Demonstrate the use of color as a signifier.

- Demonstrate the ability to become more fluent in making their concepts and responses materialize.

- Demonstrate the ability to respond to and evaluate an aesthetic experience using reasoned judgment.

- Demonstrate the ability to abstract and examine relationships between parts.

- Demonstrate the ability to be creative and value good craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.

- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ART 257 - Advanced Painting 3

Credits: 5

Explores traditional and contemporary approaches to theory and practice of painting. Emphasizes evoking emotional responses through effects of light, color, and abstraction. Students work in a series and further explore materials and subject matter.

Enrollment Requirement: ART 256 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate advanced compositional development.
- Create 3-dimensional landscapes on a 2-dimensional surface using traditional perspective theories.
- Demonstrate light and shade theories as applicable to painting.
- Demonstrate the use of color as a signifier.
- Demonstrate the ability to become more fluent in making their concepts and responses materialize.
- Demonstrate the ability to respond to and evaluate an aesthetic experience using reasoned judgment.
- Demonstrate the ability to abstract and examine relationships between parts.
- Demonstrate the ability to be creative and value good craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principles of visual arts.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ART 275 - Independent Study-Ceramics 1

Credits: 1-5

Emphasizes the development of an individual approach to artmaking. Students submit proposals with project descriptions. Assesses student's development and progress through faculty visits.

Enrollment Requirement: Instructor consent.

Course Fee: \$25.00

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 276 - Independent Study-Ceramics 2

Credits: 1-5

Emphasizes the development of an individual approach to artmaking. Students submit proposals with project descriptions. Assesses student's development and progress through faculty visits.

Enrollment Requirement: Instructor consent.

Course Fee: \$25.00

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 277 - Independent Study-Ceramics 3

Credits: 1-5

Emphasizes the development of an individual approach to art-making. Students submit proposals with project descriptions. Assesses student's development and progress through faculty visits.

Enrollment Requirement: Instructor consent.

Course Fee: \$25.00

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 294 - Independent Study-Painting 1

Credits: 1-5

Encourages students to study and develop independently in their major areas of painting. Students develop their own objectives, evaluation criteria and performance standards in conjunction with the appropriate instructor.

Enrollment Requirement: ART 256 with a grade of 1.0 or higher or instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ART 297 - Independent Study-Advanced Drawing 1

Credits: 1-5

Encourages students to study and develop independently in their major areas of advanced drawing. Students develop their own objectives, evaluation criteria and performance standards in conjunction with the appropriate instructor.

Enrollment Requirement: ART 107 with a grade of 1.0 or higher or instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate elements and principles of visual arts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Astronomy

ASTR& 101 - Introduction to Astronomy

Credits: 5

Presents a unified account of contemporary astronomy beginning with our earth and moving outward toward our solar system, and beyond to the stars of our home galaxy and out into the physical universe. Laboratory portion introduces students to methods and techniques commonly employed in astronomy. Actual experiments vary depending upon weather conditions and observable celestial objects. Not open to students who have taken ASTR& 100.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Apply appropriate principles of physics to the study of astronomical objects.

Describe the historical development of the principles on which astronomy is based.

Employ the earth as a model when considering the other planets of the solar systems.
Employ sun as a model when considering the other stars of the galaxy.
Employ the same home galaxy as a model when considering the other galaxies of the universe.
Recognize real-world applications and connections related to astronomy.

Program Outcomes

TBD

Automotive Technology

ATECH 110 - Shop Procedures

Credits: 2

Includes use and maintenance of special tools and equipment, service and repair, record keeping, use of technical reference materials and regulations governing the automotive repair industry. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal safety and a safe workplace, and handling and disposal of hazardous materials.

Enrollment Requirement: Instructor consent and eligible for READ 104. All students must have a current valid driver's license.

Course Fee: \$110.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize and correct unsafe conditions in the workplace.

- Properly handle and dispose of hazardous materials.

- Use special tools and equipment.

- Use of technical reference materials.

- Keep records.

- Demonstrate proper work ethics and customer and peer relations with emphasis on cultural and gender diversity.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 111 - Electrical and Electronics Systems

Credits: 1-14

Presents fundamental principles and terminology of automotive electrical systems. Use of Ohm's Law, wiring diagrams, diagnostic, and test instruments. Covers diagnosis and repair of batteries, starting systems, charging systems, lighting systems, operator information and warning systems, and onboard body computer control systems. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104. All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Diagnose electrical systems.
- Diagnose and service batteries.
- Diagnose and repair starting systems.
- Diagnose and repair charging systems.
- Diagnose and repair instrument cluster and driver information systems.
- Diagnose and repair automotive accessories.
- Diagnose and repair body electrical systems.

Program Outcomes

- Demonstrate safe shop practice and hazardous material handling.
- Diagnose and repair automotive electrical systems to ASE Standards.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 112 - Engine Performance

Credits: 1-14

Encompasses spark system management, emissions control, computerized engine control system sensors and actuators and use of diagnostic equipment necessary to test, adjust, and repair engine systems. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and

hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110, ATECH 111, eligible for READ 104 and instructor consent. All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Diagnose and repair computerized controls.
- Diagnose and repair ignition systems.
- Diagnose and repair fuel, air induction and exhaust systems.
- Diagnose and repair emissions control systems.

Program Outcomes

- Demonstrate safe shop practice and hazardous material handling.
- Diagnose and repair automotive emissions and engine performance standards to ASE Standards.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 113 - Engine Repair

Credits: 1-5

Covers internal combustion engine mechanical systems and components operation including diagnosis of component or system malfunctions. Includes practical application in cylinder head reconditioning and repair. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104. All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Diagnose engine mechanical conditions.
- Diagnose and repair cylinder heads and valve trains.

Diagnose and repair lubrication and cooling systems.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

Diagnose and repair automotive engines to ASE Standards.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 114 - Automatic Transmission and Transaxle

Credits: 1-6

Covers theory, application, diagnosis and repair of fluid power, hydraulics, power transmission, and final drive units as applied to automatic transmissions and trans-axles. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104. All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Diagnose transmissions and transaxles.

Maintain and repair in-vehicle transmissions and transaxles.

Repair off-vehicle transmissions and transaxles.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

Diagnose and repair automotive automatic and manual transmission/transaxle systems to ASE Standards.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 115 - Manual Drive Trains and Axles

Credits: 1-6

Covers theory, diagnosis, adjustment and repair of manual drive train components: i.e., clutch transmission, drive line and axles. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104. All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Diagnose drive trains.
- Diagnose and repair clutches.
- Diagnose and repair transmissions and transaxles.
- Diagnose and repair drive shafts, half shafts universal and constant-velocity (CV) joints.
- Diagnose and repair drive axles.
- Diagnose and repair four-wheel drive/all-wheel-drive components.

Program Outcomes

- Demonstrate safe shop practice and hazardous material handling.
- Diagnose and repair automotive automatic and manual transmission/transaxle systems to ASE Standards.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 116 - Suspension and Steering

Credits: 1-6

Covers application of automotive suspension and steering systems. Topics include tires and wheels, suspension systems, two- and four-wheel alignment, diagnosis, adjustment, and repair of systems and components. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104.
All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Assess suspension and steering systems.
- Diagnose and repair steering systems.
- Diagnose and repair suspensions systems.
- Service-related suspension and steering components.
- Diagnose, adjust and repair wheel alignment.
- Diagnose and repair wheels and tires.

Program Outcomes

- Demonstrate safe shop practice and hazardous material handling.
- Diagnose and repair automotive steering and suspension systems to ASE Standards.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 117 - Brakes

Credits: 1-7

Covers theory, diagnosis, adjustments, and repair of automotive brake systems to include hydraulic systems, drum brakes, boosters, parking brakes and anti-skid brake system (ABS). Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104.
All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Diagnose brake systems.
- Diagnose and repair hydraulic systems.

Diagnose and repair drum brakes.
Diagnose and repair disc brakes.
Diagnose and repair power-assist units.
Diagnose and repair related brake systems.
Diagnose and repair electronic brake control systems.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.
Diagnose and repair automotive brake systems to ASE Standards.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 118 - Heating and Air Conditioning

Credits: 1-6

A modular, self-paced course in automotive heating and air conditioning systems including diagnosis, service and repair of systems and system components. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104.
All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Diagnose and repair A/C systems.
Diagnose and repair refrigeration system components.
Diagnose and repair heating, ventilation, and engine cooling systems.
Recover, recycle and handle refrigerant.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.
Diagnose and repair automotive air condition and heating systems as to ASE Standards.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 119 - Special Shop Practice

Credits: 1-12

Practical application and development of skills acquired during study and application of competencies listed in course modules ATECH 111 through ATECH 118. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal.

Enrollment Requirement: ATECH 110 and instructor consent. Eligible for READ 104. All students must have a current valid driver's license.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate technical knowledge and performance ability toward certification and employability.

- Demonstrate proper work ethics and customer and peer relations with emphasis on cultural and gender diversity.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 150 - Automotive Leadership Skills 1

Credits: 1

Provides personal development experiences through participation in class, as well as leadership activities at school and in the community. Emphasizes individual participation to identify, plan, implement, promote, and evaluate activities. Provides instruction to facilitate development of personal skills in such areas as speaking, applying for a job, practicing management skills, and developing a plan of work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 151 - Automotive Leadership Skills 2

Credits: 1

Provides personal development experiences through participation in class, as well as leadership activities at school and in the community. Emphasizes individual participation to identify, plan, implement, promote, and evaluate activities. Provides instruction to facilitate development of personal skills in such areas as speaking, applying for a job, practicing management skills, and developing a plan of work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 152 - Automotive Leadership Skills 3

Credits: 1

Provides personal development experiences through participation in class, as well as leadership activities at school and in the community. Emphasizes individual participation

to identify, plan, implement, promote, and evaluate activities. Provides instruction to facilitate development of personal skills in such areas as speaking, applying for a job, practicing management skills, and developing a plan of work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 153 - Automotive Leadership Skills 4

Credits: 1

Provides personal development experiences through participation in class, as well as leadership activities at school and in the community. Emphasizes individual participation to identify, plan, implement, promote, and evaluate activities. Provides instruction to facilitate development of personal skills in such areas as speaking, applying for a job, practicing management skills, and developing a plan of work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 154 - Automotive Leadership Skills 5

Credits: 1

Provides personal development experiences through participation in class, as well as leadership activities at school and in the community. Emphasizes individual participation to identify, plan, implement, promote, and evaluate activities. Provides instruction to facilitate development of personal skills in such areas as speaking, applying for a job, practicing management skills, and developing a plan of work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 177 - Auto Work Experience

Credits: 1-13

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ATECH 194 - Special Topics

Credits: 1-13

Provides training to meet established local needs in automotive repair industry, supplemental to classes currently offered.

Enrollment Requirement: Instructor consent.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Demonstrate safe shop practice and hazardous material handling.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Aviation

AVIA 101 - Aviation Fundamentals

Credits: 5

Covers basic aviation phraseology, air traffic glossary, definitions, acronyms and terms that pilots, air traffic controllers and flight operations managers use to operate and control aircraft and to manage flight operations. Includes aviation scenario practice with US and ICAO aviation rules and procedures, flight planning, aeronautical charts, aeronautical calculations, airspace, aerial navigation, aircraft weight and balance, aircraft performance, and aircraft flight systems.

Enrollment Requirement: Instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain basic aviation terminology.
- Demonstrate basic flight planning skills.
- Identify symbology in aviation charts.
- Estimate basic aircraft performance.
- Explain basic navigation equipment and navigation.

Describe aircraft flight systems.

Program Outcomes

- Prepare for an entry-level position as a fixed-wing Commercial Pilot.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 103 - Aviation History and Careers

Credits: 5

Provides students with a clear understanding of aviation, its history, and technological developments in the past, and future. Also addresses the range of career opportunities in the field of aviation, including flight instructor, airline captain, air traffic controller, and aircraft dispatcher.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the major historical events since man first took flight.
- Identify the major historical figures in the development of aviation.
- Express the importance of aviation in everyday life.
- Identify past and future technological developments.
- Develop their knowledge of commercial aviation.
- Identify career options in aviation.
- Recognize the requirements for different professions in aviation.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.
Advance to the Bachelor of Applied Science in Aeronautical Science.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 107 - Drone Operations

Credits: 5

This course prepares students to take the knowledge test required for obtaining the Small Unmanned Aerial System (sUAS) Remote Pilot License. Students will gain a thorough understanding of rotorcraft flight principles, and the regulations outlined in the Federal Aviation Administration (FAA) Title 14 Code of Federal Regulations (CFR) Part 107. Upon successful licensing, remote pilots will be qualified to operate small UAS in professional and business environments, adhering to FAA regulations and safety standards.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe various airspace classifications, operating requirements, and flight restrictions of UAV's.
- Explain the different regulations and statutes governing UAV use.
- Discern between weather considerations that can impact flight of UAV's.
- Explain the types of factors that affect loading of UAV's.
- Describe the components of aeronautical decision-making and judgment for flight.
- Illustrate radio communications and airport operations that pertain to UAV's.
- Prepare to take the FAA Remote Pilot - Small Unmanned Aircraft Systems license certification.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 110 - Airline Operation

Credits: 5

Covers operation of large U.S. and international airlines. Includes setting passenger fares and cargo rates, regulations, marketing, labor, responding to competition, scheduling and reservations, dispatch and aircraft selection. Includes discussion of aviation careers.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and evaluate the operation of large airlines.
- Interpret and solve simulated airline operational problems.
- Recognize and apply proper terms used in the airline business.
- Recognize and apply common location identifiers used in the major airports of the world.
- Examine the interline agreements commonly used between airlines.
- Combine skills learned and apply in determining aircraft purchasing selection.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 111 - Private Pilot Ground School

Credits: 5

This course provides the foundational knowledge for aviation operations and prepares students for the FAA Private Pilot Knowledge Test. Topics include aerodynamics, aircraft systems, navigation, weather theory and services, aviation communications, Federal Aviation Regulations, flight physiology, weight and balance, aircraft performance, airport markings and lighting, operations, and FAA procedures, documentation, orders, and notices.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the knowledge and skill requirements for obtaining a Private Pilot Certificate.

- Apply their understanding of aircraft systems, basic aerodynamics, VFR flying, VFR navigation, and safety.

- Interpret Federal Aviation Regulations pertaining to VFR flight.

- Demonstrate the proper procedures used with navigation charts and equipment needed for VFR flight.

- Exercise their understanding of Private Pilot knowledge through written FAA stage exams.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 112 - Introduction to Aircraft Systems

Credits: 5

An introduction to the basic flight instruments and systems found in general aviation and light twin engine aircraft and how their proper use promotes safety in flight.

Course Outcomes:

Students who successfully complete this class will be able to:

- Perceive aircraft systems holistically as subparts of the overall aircraft system.
- Describe the components of light general aviation aircraft and how they operate.
- Depict and analyze pneumatic, hydraulic, electrical, instrumentation, navigation, fuel, and powerplant systems.
- Apply the principles of function and safe operation of flight instruments.
- Acquire skills and knowledge to establish proper use of aircraft systems and promote safety.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 123 - Aviation Weather

Credits: 5

This course explores aviation weather processes and the interpretation of key weather products, including METARs, TAFs, SIGMETs, AIRMETs, PIREPs, and Prognostic Charts. Students will study high-altitude, arctic, and tropical weather, and recognize hazards like wind shear and microbursts. Emphasis is placed on weather observation, forecasting techniques, and the use of services from the Aviation Weather Center (AWC) and National Weather Service (NWS) to support safe flight operations.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the causes of the earth's weather and the forces causing weather to change.
- Examine the dangers of hazardous weather including thunderstorms, wind shear, icing and turbulence and identify how aircraft operation is affected.
- Acquire and implement weather concepts and terms unique to aviation, including proper format and criteria for making pilot reports on in-flight weather.
- Evaluate and interpret aviation weather observations and formulate conclusions on risk associated with aircraft operation.
- Articulate and employ knowledge of those portions of the air traffic control system which provide pre-flight weather briefing and continued in-flight weather assistance.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 150 - Aviation Navigation and Flight Planning

Credits: 3

Prepares students by giving them the necessary knowledge to plan and execute cross-country flights. Students will work with and become familiar with Aeronautical Charts, airspace, flight computers, aircraft performance and complex flight planning scenarios.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the skills necessary for conducting a cross-country flight.

Prepares students by providing necessary skills for passing FAA knowledge exams.
Estimate the aircraft performance necessary for cross country flights.

Program Outcomes

Prepare for an entry-level position as a fixed-wing Commercial Pilot.
Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 151 - Aviation GIS

Credits: 5

Explore unmanned aerial vehicle (UAV) applications for mapping including methods of data collection, processing, and analysis for photography, security, and cyber security. Become familiar with UAV platforms for data acquisition, video and picture gathering. Learn to use mapping software for remote sensing, and image analysis.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine UAV platform requirements for data collection.
- Demonstrate knowledge in UAV manuals and operating procedures.
- Understand the fundamentals of aerial mapping and photography.
- Set up a UAV mapping project from proposal through implementation and completion.
- Use UAVs for data collection.
- Design flights for automated data collection.
- Understand data processing software.
- Use mapping software for data analysis.

Program Outcomes

- Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.
- Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation and other industry professionals with technology used with unmanned aerial systems.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 159 - Unmanned Aerial Vehicles Physical Security

Credits: 5

Examines the use of unmanned aerial vehicles (UAV) to protect physical assets and properties, the benefits and risks they pose, and teaches students how to evaluate sites and implement a UAV security system.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe physical security fundamentals as they apply to the use of UAV.
- Understand regulations, compliance and investigations relating to UAV Technology security.
- Understand basic operations, physical and environmental security.
- Perform site evaluations and propose UAV security use.
- Design UAV security plans.

Program Outcomes

- Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.

Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation and other industry professionals with technology used with unmanned aerial systems.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 160 - Aviation Communications

Credits: 5

Provides instruction and practice in listening and speaking the words and phrases used in aviation operations communication. Emphasizes accuracy and efficiency in exchanges of information that take place on a constant basis in the world of aircraft and the people who fly, design, service, manage, and control them globally.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Incorporate and employ fundamental theories of communication in the field of aviation.

Describe the value of the critical role that communication plays in the aviation industry.

Practice standards used in communication: textual, aural, or otherwise, both internal and external to aircraft systems.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 177 - Aviation Work Experience 1

Credits: 1-13

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how their job improved their aviation knowledge.
- Summarize what was learned while employed.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 178 - Aviation Work Experience 2

Credits: 1-13

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how their job improved their aviation knowledge.

- Summarize what it was learned while employed.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.

- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 179 - Aviation Work Experience 3

Credits: 1-13

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how their job improved their aviation knowledge.

- Summarize what it was learned while employed.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.

- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 190 - Air Traffic Control Technologies

Credits: 5

A comprehensive overview of the technologies, systems, facilities, documentation, and procedures used by the Federal Aviation Administration (FAA) to manage the National Airspace System (NAS). It highlights the interconnected roles of these elements in ensuring safe and efficient operations. Topics include ADS-B, CPDLC, Required Navigation Performance (RNP), Notices to Air Missions (NOTAMs), as well as ATC flight plan filings, clearances, and flight strips.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain a clear understanding of the structure and functions of the FAA, the NAS, and the Traffic Management (TM) system.
- Analyze and interpret FAA procedures, documentation, orders, and notices.
- Explain the purpose and operational characteristics of ATC facilities, radar systems, ADS-B, and separation standards for both VFR and IFR operations.
- Identify key aircraft categories, weight classes, designators, and performance characteristics, including associated hazards.
- Recognize the interconnectedness of regulations, systems, and procedures that support ATC airspace management and communication protocols.

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 210 - Aviation and the Law

Credits: 5

Aviation law and regulations including discussions of constitutional, administrative and international law affecting aviation. Analysis of aviation regulatory environments and processes including legislation, rulemaking, certification and enforcement actions using case studies.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic aviation law, procedures and application.
- Recognize how democratic processes influence rule making procedures and enforcement.
- Apply case studies to highlight specific procedures and the enforcement requirements of the FAA and other government agencies.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AVIA 211 - Aerodynamics for Pilots

Credits: 5

The practical application of aerodynamic forces, the atmosphere, stability, wing design, conservation laws, V-speeds, and takeoff and landing performance, are considered, both conceptually and mathematically.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Broaden the pilot's knowledge of flight aerodynamics.
- Explain and apply, the fundamentals of subsonic and transonic airflow, as they apply to airplane flight.
- Explain the physical description of lift.
- Explain all the aerodynamics forces affecting flight.
- Illustrate how atmospheric variables affect lift.
- Describe stability and how it affects flight performance.

Program Outcomes

- Prepare for an entry-level position as a fixed-wing Commercial Pilot.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 212 - Human Factors for Aviators

Credits: 5

Covers human factors in aeronautical decision-making and situation-awareness. Emphasizes human error, personal attitudes and physical elements (pilot fitness, pilot workload, cockpit distractions, etc.), pilot preparedness, and effective use of crew resource management to manage and mitigate aviation risk. Includes accident case studies.

Enrollment Requirement: AVIA 111 with a grade of 2.0 or higher or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify human performance as a factor in aviation safety.
- Recognize effective and ineffective decision making, effective and ineffective crew resource management, and understanding of how human factors such as fatigue, lack of fitness for flight, and personal attitudes can jeopardize safety in flight.
- Recognize when a series of events (accident chain) begins to develop and takes positive steps to prevent or interrupt the chain of events.
- Identify causal factors that can contribute to potential accident scenarios.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AVIA 214 - Airport Management and Operations

Credits: 5

Provides basic knowledge in airport operations and management for airport operations, interaction with political entities, public relations with local communities and local entities, working with government (local, state and federal) regarding airport operations and management directives governing airport safety responsibilities, relationships with commercial air carriers, fixed-base operators, community residents, aviation authorities and environmental authorities. Provides a basic understanding of how airport managers address federal airport standards for basic airport functions involving air safety, ground and flight operations, airport budgets and finances aspects and airport planning.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic knowledge in airport operations and management for airport operations.
- Demonstrate basic knowledge regarding airport operations and management directives related to airport safety.
- Explain basic understanding of how airport managers address federal airport standards for basic airport functions involving air safety, ground and flight operations.

Program Outcomes

- Prepare for a position in management, business, and administration in the aviation industry.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AVIA 216 - Basic Instrument Pilot Ground School

Credits: 5

Provides a comprehensive foundation in instrument flight operations and prepares students to pass the FAA Instrument Pilot Written Examination. Topics include basic instrument flight procedures, IFR flight planning and decision-making, ground and satellite-based navigation systems, IFR aircraft systems, weather formation and services

for IFR operations, and airport operations under IFR conditions. Students will also study ATC procedures, communications, and clearances, along with FAA regulations related to instrument flight.

Enrollment Requirement: AVIA 111 or instructor consent.

Course Fee: \$80.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the knowledge and skill requirements for obtaining an Instrument Rating.
- Apply their understanding of Weather Services, Air Traffic Control, IFR flying, IFR navigation, and safety.
- Interpret Federal Aviation Regulations pertaining to IFR flight.
- Employ the proper procedures used with navigation charts and equipment needed for IFR flight.
- Demonstrate their understanding of Instrument Rating knowledge through written FAA stage exams.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 217 - Aviation Security

Credits: 5

Provides a basic framework for understanding aviation security philosophy, rules, procedures and methods. Covers security for commercial aviation operations and general aviation operations including airport security, passenger and baggage security, and cargo security.

Course Fee: \$10.00

Course Outcomes:

- Students who successfully complete this class will be able to:
- Explain basic aviation security methods and procedures.

Express awareness of the challenges and issues regarding aviation security including concerns for public welfare as well as concerns for aviation safety.
Discuss knowledge of security screening procedures for passengers, baggage and cargo.
Demonstrate awareness of prevention methods to avert terrorist activities.

Program Outcomes

Prepare for a position in management, business, and administration in the aviation industry.
Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AVIA 218 - Commercial Pilot Ground School

Credits: 5

Topics include Federal Aviation Regulations, Aeronautical Decision Making, aeromedical factors, advanced avionics and navigation, aerodynamics, aircraft systems, performance, airspace, and weather. FAA Part 141 approved. Prepares students for the FAA Commercial Pilot written exam.

Enrollment Requirement: AVIA 111 or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify the knowledge and skill requirements for obtaining a Commercial Pilot Certificate.
Apply their understanding of advanced aircraft systems, aerodynamics, Commercial flying, navigation, and system safety.
Interpret Federal Aviation Regulations pertaining to Commercial flight.
Implement the proper procedures used with navigation charts and equipment needed for Commercial flight.

Demonstrate their understanding of Commercial Pilot knowledge through written FAA stage exams.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.
Prepare for an entry-level position as a fixed-wing Commercial Pilot.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 221 - FAA Written Test Preparation for ATP/Dispatch

Credits: 2

Prepares students for the FAA's written test for either the Airline Transport Pilot certificate or Dispatcher certificate. Focuses on aircraft performance, weight and balance, weather, and appropriate federal regulations.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:
Prepared to take the Federal Aviation Administration's written tests for either the Airline Transport Pilot certificate or Dispatcher certificate.

Program Outcomes

Prepare for an entry-level position as an Aircraft Dispatcher.
Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 223 - Advanced Weather Planning

Credits: 3

Covers aviation weather planning theory. Practical applications of weather planning as

both a pilot or dispatcher. Students will learn not just how to read the weather text, but to interpret weather sources for operational planning purposes.

Enrollment Requirement: AVIA 123

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and interpret aviation weather reports.

- Identify the various sources from which up-to-the-minute aviation weather information can be obtained.

- Demonstrate their understanding through tests and various critical thinking tasks.

Program Outcomes

- Prepare for an entry-level position as an Aircraft Dispatcher.

- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 265 - Airline Dispatch

Credits: 10

Teaches practical dispatching for airline and corporate operations, as well as preflight, in-flight and post flight duties. Covers federal aviation regulations, meteorology, navigation, large aircraft weight/balance, performance, systems, and communications. Also covers air traffic control procedure, and pilot departure and arrival procedures.

Enrollment Requirement: (AVIA 270 or AVIA 281) and AVIA 123 and AVIA 216; or instructor consent; and eligible for ENGL& 101.

Course Fee: \$90.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the Boeing 737-400 aircraft systems.
- Demonstrate an understanding of Title 14 Code of Federal Regulations Part 121.
- Analyze weather reports and forecasts and provide accurate reports.
- Analyze the correct fuel requirements for different flights operated under domestic and flag rules.
- Demonstrate an understanding of the joint pilot-dispatcher responsibilities under domestic and flag rules.
- Explain how to handle in-flight emergencies.

Program Outcomes

- Prepare for an entry-level position as an Aircraft Dispatcher.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 267 - International Flight Planning and ETOPS

Credits: 5

Covers air carrier flight planning for international operations, focusing on FAA Part 121 and ICAO standards. Topics include routing, fuel minima and planning, navigation and communication equipment and procedures, weather requirements, and ETOPS

procedures. Emphasis is placed on integrating regulations and operational considerations for safe and efficient global operations.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the factors that must be considered when planning a long-range, heavy aircraft flight outside the U.S.A.
- Produce the various publications used to determine the entry and exit requirements for flights into and out of all countries of the world.
- Analyze weather information and make correct decisions regarding over-ocean flights.
- Demonstrate and apply extended-two-engine-overwater procedures to Boeing 777 and Boeing 767 flights.

Program Outcomes

- Prepare for an entry-level position as an Aircraft Dispatcher.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 270 - Air Traffic Control Fundamentals

Credits: 5

Covers Air Traffic Control (ATC) history, current organization, functions and general operations of ATC as part of the National Airspace System (NAS). Includes explanations of functions and purposes of airport Air Traffic Control Towers, Radar Approach Controls and Air Route Traffic Control Centers and the integration of ATC into the other elements and components of the NAS. Also covers how ATC teams are the cornerstone of ATC operations to effectively accomplish the FAA ATC mission.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the history and organizational structure of the FAA and its oversight by the U. S. Department of Transportation.
- Explain the routine procedures, approved separation methods, and specific ATC functions and responsibilities in both radar and non-radar environments.
- Explain the conversations required within the air traffic system in all phases of flight.
- Describe best practices of accurate and timely voice communications to ensure positive control and separation of aircraft.
- Describe the knowledge and understanding of air traffic scenarios that account for variable factors such as inclement weather, in-flight emergencies, and other disruptions to routine air traffic operations.

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 271 - Unmanned Aerial Vehicles Cybersecurity

Credits: 5

Focuses on the use of unmanned aerial vehicles (UAV) in business enterprises and the risks posed to Internet of Things (IoT) and network security; both as tools for attackers and as vulnerable pieces of the network.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe cyber security fundamentals as they apply to the use of UAV.

- Understand regulations, compliance and investigations relating to Information Technology security.

- Develop threat models and risk assessments specific to UAV.

- Develop security policies and procedures in an environment employing UAV.

- Describe common types of vulnerabilities, threats, attacks, and countermeasures to UAV.

- Describe how UAV can be used to perform Cyber-attacks.

Program Outcomes

- Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.

- Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.

- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation and other industry professionals with technology used with unmanned aerial systems.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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AVIA 275 - Airline Dispatch and Operations

Credits: 5

Teaches CFR 14 Part 121 operations, as well as preflight, in-flight, and post-flight

procedures. Covers Federal Aviation Regulations, meteorology, navigation, performance, large aircraft systems, and communications. Covers air traffic control clearances, flight planning and departure and arrival procedures.

Enrollment Requirement: (AVIA 270 or AVIA 281) and AVIA 123 and AVIA 216; or instructor consent; and eligible for ENGL& 101.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of large aircraft systems.
- Interpret Title 14 of the Code of Federal Regulations Part 121.
- Analyze weather reports and forecasts.
- Demonstrate an understanding of preflight and post-flight duties of flight crews.
- Demonstrate an understanding of airline communications systems.
- Exhibit comprehension of airline long range navigation systems.
- Analyze the correct fuel requirements for CFR 14, Part 121 operations.
- Demonstrate an understanding of the joint pilot-dispatcher responsibilities under domestic and flag rules.
- Explain airline emergency procedures.

Program Outcomes

- Prepare for an entry-level position as an Aircraft Dispatcher or Airline Captain.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 276 - Airline Dispatch Practical

Credits: 5

Teaches practical dispatching for CFR 14, Part 121 airlines, as well as high altitude flight planning, airline preflight and post-flight procedures. Covers Federal Aviation Regulations pertaining to CFR 14, Part 121 airlines, high altitude meteorology, navigation, large aircraft performance, large aircraft systems, and communications. Covers air traffic control procedures, ATC clearances and departure and arrival procedures. The course prepares students for the FAA Aircraft Dispatcher practical test.

Enrollment Requirement: AVIA 275 with a 2.0 or better or concurrent enrollment; or instructor permission.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the Boeing 737-400 aircraft systems.
- Demonstrate an understanding of Title 14 Code of Federal Regulations Part 121.
- Analyze weather reports and forecasts and provide accurate reports.
- Analyze the correct fuel requirements for different flights operated under domestic and flag rules.
- Take the FAA practical test for airline dispatch license.
- Demonstrate an understanding of the joint pilot-dispatcher responsibilities under domestic and flag rules.
- Explain how to handle in-flight emergencies.

Program Outcomes

- Prepare for an entry-level position as an Aircraft Dispatcher.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 281 - Air Traffic Control 1

Credits: 5

Introduces radar and non-radar air traffic control, flight data processing, aircraft communication, FAA separation standards, controller techniques, and airspace management. Covers computer simulation of ATC problems.

Enrollment Requirement: AVIA 216 or concurrent enrollment; or instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the function of each of the four different ATC facilities.
- Demonstrate a skill in the use of proper ATC phraseology.
- Demonstrate a skill in the use of radar and related computer functions.
- Demonstrate a skill in the proper application of ATC separation standards and related techniques.
- Demonstrate a skill in the proper application of in-flight assistance and severe weather avoidance requirements.

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.
- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 282 - Air Traffic Control 2

Credits: 5

Covers ATC procedures in terminal ATC environments for controllers and pilots.

Emphasizes proper radio communications procedures, terminal ATC radar and non-radar separation and sequencing, correct application of applicable terminal ATC

Operational rules and regulations for controllers and correct application of FAR and AIM rules and procedures for pilots.

Enrollment Requirement: AVIA 281 with a grade of 2.5 or higher.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a skill in the techniques and procedures for using radar to expedite the movement of IFR aircraft.

- Demonstrate a skill and knowledge of visual approaches, contact approaches and straight-in vectored approaches.

- Demonstrate a skill in the techniques and procedures for the continued separation of IFR aircraft without radar.

- Demonstrate the ability to recognize 32 different types of aircraft from pictures and be able to list the correct FAA identification.

- Demonstrate a skill in communication between the airport control tower and radar controller.

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.

- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 286 - Air Traffic Controllers 3-Enroute ATC

Credits: 5

Expands on the foundation of basic control procedures students learned in AVIA 281 and focuses on students aspiring to become air traffic controllers.

Enrollment Requirement: AVIA 282 with a grade of 2.5 or higher.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of 7110.65 and the FAR/AIM.

- Create ATC clearances.

- Demonstrate the correct use of radar and non-radar procedures to effectively and efficiently control air traffic.

- Demonstrate awareness of and understanding of fundamental problems involved with coordinating ATC operations in complex and sometimes hazardous operating environments that include nearby mountainous terrain and marginal weather situations that coastal and mountain areas can produce.

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.

- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 287 - ATC Tower Operator 1

Credits: 4

Covers FAA ATC academy procedures and curriculum specializing in ATC tower environments. Emphasizes proper radio communications procedures, aircraft recognition, weather dissemination, tower equipment, airport layouts, airspace, and correct application of applicable terminal ATC operational rules and regulations for tower controllers and correct application of FAR, AIM, and FAA manual 7110.65.

Enrollment Requirement: Concurrent enrollment with AVIA 281 - Air Traffic Control 1 or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of 7110.65 and the FAR/AIM.

- Create ATC clearances.

- Demonstrate the correct use of radar and non-radar procedures to control air traffic effectively and efficiently in a tower environment.

Program Outcomes

- Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.

- Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 288 - ATC Tower Operator 2

Credits: 5

Covers FAA ATC academy procedures and curriculum in terminal ATC environments for controllers. Emphasizes ATIS, flight data, clearance delivery, general control, emergency procedures, FDIO, general control of VFR/IFR traffic, wake turbulence, traffic separation, VFR/IFR arrival and departure procedures. Covers operational rules and regulations for controllers and correct application of FAR, AIM, and 7112.10.

Enrollment Requirement: AVIA 111 and 287 with minimum grades of 2.5.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of 7112.10 and the FAR/AIM.

- Create takeoff and landing ATC clearances.

- Demonstrate the correct wake turbulence separation standards and procedures to control air traffic effectively in a tower environment.

- Demonstrate awareness of and understanding of the fundamental problems involved with coordinating ATC operations in complex and sometimes hazardous operating environments that include nearby mountainous terrain and marginal weather situations.

- Demonstrate a skill in the techniques and procedures for using no radar to expedite the movement of VFR/IFR aircraft.

- Demonstrate a skill and knowledge of visual approaches, contact approaches, and straight-in vectored approaches.

- Demonstrate a skill in the techniques and procedures for the continued separation of VFR/IFR aircraft without radar.

- Demonstrate skills in handling air traffic in control tower operations.

Program Outcomes

Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.

Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 289 - ATC Tower Operator 3

Credits: 10

Covers FAA ATC academy procedures and curriculum in terminal ATC environments for controllers. Emphasizes runway incursions, fatigue and countermeasures, human factors in air traffic control, loss of communications, tower training, on the job expectations. Covers ATC operational rules and regulations for controllers and correct application of FAR, AIM, 7110.65 and 7112.10.

Enrollment Requirement: AVIA 287 and 288 with grades of 2.5 or higher, or Instructor's permission.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge of 7110.65, 7112.10 and the FAR/AIM.

Create ATC clearances.

Demonstrate the correct use of radar and non-radar procedures to control air traffic effectively and efficiently in a tower environment.

Demonstrate awareness of and understanding of the fundamental problems involved with coordinating ATC operations in complex and sometimes hazardous operating environments that include nearby mountainous terrain and marginal weather situations that coastal and mountain areas can produce.

Demonstrate a skill in the techniques and procedures for using radar to expedite the movement of VFR/IFR aircraft.

Demonstrate a skill and knowledge of visual approaches, contact approaches, and straight-in vectored approaches.

Demonstrate a skill in the techniques and procedures for the continued separation of VFR/IFR aircraft without radar.

Demonstrate skills in handling air traffic in control tower operations.

Demonstrate proper separation between small and large aircraft.

Demonstrate understanding about the loss of communications.

Program Outcomes

Prepare for an entry-level position as an Air Traffic Controller in the National Airspace System.

Employ understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate an ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 307 - Aviation Work Experience 4

Credits: 1-5

Allows students to work full-time or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Admission into the BAS in Aeronautical Science degree and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Discover acquaintances in a professional setting.
- Relate with others in their field of interests.
- Modify to specific aspects of a career.
- Practice previously acquired skills.

Program Outcomes

- Prepare for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 308 - Aviation Work Experience 5

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Admission into the BAS in Aeronautical Science degree and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Discover acquaintances in a professional setting.
- Relate with others in their field of interests.
- Modify to specific aspects of a career.
- Practice previously acquired skills.

Program Outcomes

- Prepare for a position in the aviation industry.

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

AVIA 360 - General Operations Aviation Management

Credits: 5

Covers general aviation with emphasis on FAA and other government regulatory impacts, business and marketing, interaction with communities surrounding general aviation airports, awareness and understanding of impacts of political and economic factors that affect and influence general aviation airport operations and management.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify how the global aviation environment works in tandem with the global economic and political environments.
- Describe how to interpret relevant data in economics and political areas and connect that data to relevant areas and segments of the aviation industry.
- Express how global aviation such aircraft production is now a global effort with modern aircraft parts coming from many countries and with Original Equipment Manufacturers such as Boeing and Airbus aircraft production involving companies down four tiers and across as many as 40 countries across the globe.

Program Outcomes

- Prepare for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 365 - Advanced Aircraft Systems

Credits: 5

Covers commercial aircraft systems, navigation systems, and flight deck technologies currently in use in commercial aircraft.

Enrollment Requirement: Admission into the BAS in Aeronautical Science degree.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the knowledge, skill and experience required of FAR part 61.
- Describe the operating flight deck procedures for commercial pilots.
- Demonstrate knowledge with large aircraft operating systems.

Program Outcomes

- Prepare for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

AVIA 367 - Dispatch Requalification

Credits: 2

Designed to requalify students who previously have taken AVIA 265 and completed all other class requirements to earn an FAA Dispatch License but have not tested for the license by the dispatch certificate expiration date.

Enrollment Requirement: Instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge in dispatch procedures.
- Analyze weather and identify weather hazards.
- Demonstrate the ability to flight plan.

Program Outcomes

- Prepare thoroughly for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 370 - Aviation Safety Management System

Credits: 5

Covers FAA Safety Management System model and case studies to develop understanding of FAA SMS methodology and procedures. Case studies cover different aspect of SMS risk assessment and mitigation for aviation areas including safety risk analysis, solution options and stakeholder participation process.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the history, organization and purposes of ICAO including current operations, how ICAO leads world aviation communities in creating operational standards and operational procedures for global aviation operations.

Explain about the ICAO network of Flight Information Regions (FI Rs) and how various countries comply with general standards and procedures but also how countries diverge from those standards and procedures and why a country would choose to be different from international norms.

Demonstrate how ICAO and member nations establish procedures that protect national sovereignty will still allowing for broad cooperative.

Program Outcomes

Prepare for a position in the aviation industry.

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 375 - ICAO Operations Standards

Credits: 5

Covers International Civil Aviation Operations complying with ICAO standards. Includes brief history of ICAO and how ICAO functions today and addresses how ICAO standards apply to various regional and national locales. Explains ICAO organization supporting global flight operations and how ICAO interacts with individual countries such as the US to create a safe international flight environment.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the history, organization and purposes of ICAO including current operations, how ICAO leads world aviation communities in creating operational standards and operational procedures for global aviation operations.

Explain about the ICAO network of Flight Information Regions (FI Rs) and how various countries comply with general standards and procedures but also how

countries diverge from those standards and procedures and why a country would choose to be different from international norms.
Demonstrate how ICAO and member nations establish procedures that protect national sovereignty while still allowing for broad cooperative.

Program Outcomes

Prepare for a position in the aviation industry.
Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 380 - Aviation Career Development

Credits: 5

Covers challenges with career planning and interview techniques. Students research and describe various career opportunities in aviation management and simulate interview techniques. These challenges are due to the variety of changes in the aviation industry and expectation from employers regarding employment interviews.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain the many different choices in career opportunities in aviation management and the requirements needed to qualify for those employment opportunities.
Describe proper interview techniques such as dress code, phone etiquette, presentation, knowledge requirement, and resumes.

Program Outcomes

Prepare for a position in the aviation industry.
Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 385 - Airport Planning and Operations Management

Credits: 5

Covers challenges of planning and operating airports in modern era. Includes coverage of airport planning for larger airports that handle commercial air carriers as well as factors affecting smaller local airports that support local general aviation communities.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain how modern airports operate in differing business climates and settings from smaller local and regional airports up to very large airports such as SEATAC International airports.

Describe how airport managers must communicate with and connect with entities in four distinct but very connected spheres that influence how an airport functions.

Illustrate how weather affects decisions the airport operators must make in advance of and during inclement weather to ensure continual operations and what airport managers must do to ensure a safe flight environment.

Program Outcomes

Prepare for a position in the aviation industry.

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 390 - Introduction to Terminal Instrument Procedures

Credits: 5

An introduction to the United States Standard for Terminal Instrument Procedures (TERPS) and examines methods and criteria for the formulation, review, approval and the publishing of procedures for IFR (Instrument Flight Rules) operations to and from civil and military airports. Material covered includes obstacle clearance, airspace, descent gradients, Performance Based Navigation (PBN) requirements, and related documentation.

Enrollment Requirement: Admission into the BAS in Aeronautical Science degree.

Course Outcomes:

Students who successfully complete this class will be able to:

- Outline the methods and criteria for development, approval, and publication of Instrument Flight Rule procedures in the National Airspace System.
- Apply an understanding of the procedural requirements for obstacle clearance, descent gradients, airspace classifications, and performance-based navigation environments.

Program Outcomes

- Prepare for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 400 - Airline Operations Management

Credits: 5

Covers commercial air carrier and other broad ranging aviation operations management models and business models that show differences in local, regional, national and international markets. Consideration of government regulations, local, national and international economics, emerging aviation technology impacts with special emphasis on cost and revenue factors affecting aviation operations.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe how modern airlines operate in the era of the ever shrinking world where information is nearly instant and the deluge of information from many quarters can create a hectic and very challenging market environment.

Outline the various factors that affect how a Commercial Air Carrier conducts business, addresses customer needs, addresses market competition from competing air carriers.

Explain about business planning in the highly competitive air carrier market.

Program Outcomes

Prepare for a position in the aviation industry.

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 410 - Aviation and Aircrew Resource Management

Credits: 5

Covers modern flight operations and management of resources before, during and after flight. Emphasis on management coordination and communication on the ground, during pre-flight planning, and in the air between the aircrew and the ground team. Special emphasis on managing in-flight emergency operations involving solutions that include ground and air resources to ensure safe, efficient, effective flight operations.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain methods, procedures and practices modern air carrier companies use to manage flight crew resources and then how flight crews and supporting ground crews work together to conduct flight operations in the modern airspace environment.

Analyze past accident and incident scenarios and learn what crews in crises and in emergencies situations did to deal with a variety of problems.

Show how the communications processes that support modern flight environments.
And how these communications technologies and practices create opportunities to fully support flight operations for air carrier.

Program Outcomes

Be thoroughly prepared for a position in the aviation industry.
Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 420 - Methods of Aircraft Accident Investigation

Credits: 5

An exploration of the methods and procedures involved in aircraft accident investigation including the organization, duties, and procedures of the Aircraft Accident Board, the National Transportation Safety Board, and other investigative agencies.

Enrollment Requirement: Admission into the BAS in Aeronautical Science degree.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge of the various investigative agencies involved in aircraft accident investigations.
Describe the investigative methods and procedures required by law and will explain how conclusions are made concerning the causality of aircraft accidents.

Program Outcomes

Be thoroughly prepared for a position in the aviation industry.
Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 430 - Aviation and the Global Economy

Credits: 5

Covers relationships between aviation economics and global economics. Emphasis on understanding underlying economic and political factors that affect and influence the aviation industry and the aviation business environment. Uses case studies to help students connect aviation topics and theme with global economic and political trends, actions and consequences.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how modern airlines operate in the era of the ever-shrinking world where information is nearly instant and the deluge of information from many quarters can create a hectic and very challenging market environment.

- Outline the various factors that affect how a Commercial Air Carrier conducts business, addresses customer needs, addresses market competition from competing air carriers.

- Explain about business planning in the highly competitive air carrier market.

Program Outcomes

- Prepare for a position in the aviation industry.

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 431 - Economic Impact of Global Aviation

Credits: 5

Demonstrates the financial impact of aviation on the world's economy. Will establish the

global benefits that aviation brings to society and the impact of international commerce throughout the world. Includes brief history of the economic impacts of airmail, banking prior to computers and global shipping of products via FedEx, UPS, and Amazon.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge on how aviation affects the World's economy.
- Analyze the impact made by airmail and other shipping models.
- Demonstrate how aviation impacts international commerce and society.

Program Outcomes

- Prepare thoroughly for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

AVIA 440 - Corporate Aviation Operations

Credits: 5

An examination of corporate and business flight department creation and operation. Established operating procedures and techniques, including aircraft acquisition, are explored, as well as a broad view of the mission of Corporate Aviation.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze and interpret the various aspects of corporate aviation pertaining to acquiring, financing, evaluating, insuring, and operating corporate aircraft.
- Determine and evaluate the needed components and personnel involved in establishing, maintaining, operating, and managing a corporate aviation department using legal, safety, and economy industry best practices.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

AVIA 490 - Capstone: Aviation Research Projects

Credits: 5

Guided research projects on topics of current interest and concern that currently affect or will affect the aviation community locally, regionally, nationally or globally.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain how to conduct a formal research project that involves an in-depth research into a specific area.

Program Outcomes

Be thoroughly prepared for a position in the aviation industry.

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Aviation - Flight

All flight courses require additional flight fees. Green River College partners with local flight schools to complete flight training. The number of training hours and costs vary for

each flight course depending on which school the student selects. Students must also obtain a FAA Class II Medical Certificate before entering the program (Class I for ATP License).

FLT 111 - Private Pilot Flight 1

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Private Pilot course. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 Stage Check requirement for this class under the training course outline from the appropriate authorized flight school providing all in-flight instruction. The stage check requirement for this class is to qualify for a solo flight.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrates knowledge, skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141., and the Federal Aviation Administration (FAA) Private Pilot Practice Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 112 - Private Pilot Flight 2

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn FAA Private Pilot license under the flight school approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for the Private Pilot course. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrates knowledge, skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, and the Federal Aviation Administration (FAA) Private Pilot Practical Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 211 - Instrument Pilot Flight 1

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Instrument Pilot course. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 stage check requirement for this class under the training course outline from the appropriate authorized flight school providing all in-flight instruction. The stage check requirement for this class is to perform basic attitude instrument flying.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrates knowledge skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, for the Federal Aviation Administration (FAA) Professional Instrument Pilot Practical Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 212 - Instrument Pilot Flight 2

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Instrument Pilot course. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 stage check requirement for this class under the training course outline from the appropriate authorized flight school providing all instrument in-flight instruction. The stage check requirement for this class is to perform departure/arrival procedures to FAA Practical Test standards.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, for the Federal Aviation Administration (FAA) Professional Instrument Pilot Practical Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 213 - Instrument Pilot Flight 3

Credits: 1

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn FAA instrument rating under the flight school approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge, skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, and the Federal Aviation Administration (FAA) Instrument Pilot Practice Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 231 - Commercial Pilot Flight 1

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Commercial Pilot course. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 stage check requirements. The stage check requirement for this class is to perform a simulated cross-country flight.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge, skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, for all requirements in the Federal Aviation Administration (FAA) Airplane Commercial Pilot Practical Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 232 - Commercial Pilot Flight 2

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency

and stage check requirements for the Commercial Pilot course. The student must follow the requirements of Title 14 of the Code of Federal Rules Part 141 from the appropriate authorized flight school providing all in-flight instruction. The stage check requirement for this class is to perform a Complex Aircraft Checkout.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge, skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, for all requirements in the Federal Aviation Administration (FAA) Airplane Commercial Pilot Practical Test Standards (PTS).

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 233 - Commercial Pilot Flight 3

Credits: 1

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn FAA Commercial Pilot license under the flight school approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for the Commercial Pilot course. The training must be accomplished at the appropriate authorized flight school providing all in-flight instruction.

See Chart of Fees

Course Fee: See Chart of Fees link in course description.

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge, skill and experience in accordance with Section 14 of the Code of Federal Rules (CFR) Part 61 and Part 141, and the Federal Aviation Administration (FAA) Instrument Pilot Practice Test Standards (PTS).

Program Outcomes

Prepare for a position in the aviation industry.
Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

FLT 300 - Certified Flight Instructor

Credits: 3

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Flight Instructor Rating. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 stage check requirement for this class under the training course outline from the appropriate authorized flight school providing all in-flight instruction. The stage check requirement for this class is to demonstrate right-seat proficiency to commercial pilot standards as a flight instructor.

See Chart of Fees

Enrollment Requirement: FLT 233 and instructor consent.

Course Fee: See Chart of Fees link in course description.

FLT 301 - Certified Flight Instructor-Instrument Flight

Credits: 1

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn an FAA instrument instructor rating under the flight school approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for instrument instructor. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction.

See Chart of Fees

Enrollment Requirement: CFI License and: (A) Comm/Instrument Rating appropriate to the aircraft category and class Rating for which the course applies or (B) ATP License and instructor consent, and a current FAA Class II Medical Certificate.

Course Fee: See Chart of Fees link in course description.

FLT 401 - Multi-Engine Operations Flight

Credits: 2

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn an FAA multi-engine rating under the flight school's approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for multi-engine rating. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction.

See Chart of Fees

Enrollment Requirement: FLT 233 and instructor consent.

Course Fee: See Chart of Fees link in course description.

FLT 402 - Multi-Engine Instructor Rating

Credits: 1

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn an FAA multi-engine instructor rating under the flight school's approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for multi-engine instructor. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction.

See Chart of Fees

Enrollment Requirement: FLT 401 and instructor consent.

Course Fee: See Chart of Fees link in course description.

Aviation - Simulation

A SIM 101 - Flight Procedures for Non-Pilots

Credits: 1

Focuses on basic flying procedures, navigation, and communications technique. Flight simulation activity that provides hands-on experience with private pilot flight operations using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; airport surface operations; takeoffs, landings. Designed for air traffic controllers or airline dispatcher applicants.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

Apply their understanding of aircraft systems, basic aerodynamics, VFR flying, and VFR navigation.

Analyze and interpret Federal Aviation Regulations pertaining to VFR flight.

Demonstrate the ability to control aircraft and predict performance.

Explain and use various navigation systems.

Collaborate with the interdependent professional positions in aviation operations.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 107 - Small Unmanned Aircraft Systems (sUAS) Flight Training

Credits: 2

Teaches students the basic skills for flying an unmanned aerial system (UAS), including proper preflight and post flight procedures as well as professional conduct with an UAS. They will learn the different means by which UAS pilots operate and basic flight maneuvers.

Enrollment Requirement: AVIA 107 with a grade of 1.0 or higher: or AVIA 107 concurrent enrollment: or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand regulations, compliance and investigations relating to UAS.
- Understand basic operations of UASs.
- Understand professional conduct with an UAS.
- Perform basic UAS flight maneuvers.

Program Outcomes

- Prepare for a position in the aviation industry or related fields utilizing unmanned aerial systems.
- Employ their understanding of the integral parts of the unmanned aerial system industry through practical application of diverse subjects.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

A SIM 111 - Private Pilot Flight Simulation

Credits: 1

Flight simulation activity that provides hands-on experience with private pilot flight operations using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; airport surface operations; takeoffs, landings, and go-arounds; flight performance maneuvers; ground reference maneuvers; navigation; slow flight; stalls; basic instrument maneuvers; emergency flight operations; night operations; and post flight procedures. Students gain introductory experience in the flight operations specified in 14 CFR 141, Appendix B, Paragraph 4(d)(1) for the FAA Private Pilot, Airplane certificate.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft systems, basic aerodynamics, VFR flying, and VFR navigation.
- Analyze and interpret Federal Aviation Regulations pertaining to VFR flight.
- Demonstrate the ability to control aircraft and predict performance.
- Explain and use various navigation systems.

Develop the ability to safely and efficiently operate in the National Airspace System.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 121 - Private Pilot Completion

Credits: 1

Flight simulation activity that provides hands-on experience with private pilot flight operations using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; airport surface operations; takeoffs, landings, and go-arounds; flight performance maneuvers; ground reference maneuvers; navigation; slow flight; stalls; basic instrument maneuvers; emergency flight operations; night operations; and post flight procedures. Students must possess a Private Pilot Certificate to complete this course.

Enrollment Requirement: A SIM 111 or AVIA 111; and instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

Apply their understanding of aircraft systems, basic aerodynamics, VFR flying, and VFR navigation.

Analyze and interpret Federal Aviation Regulations pertaining to VFR flight.

Demonstrate the ability to control aircraft and predict performance.

Explain and use various navigation systems.

Obtain their Private Pilot, Airplane certification.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

A SIM 216 - Basic Instrument Flight Simulation

Credits: 2

Flight simulation activity that provides hands-on experience with flight operations in instrument meteorological conditions using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; air traffic control clearances and procedures; flight by reference to instruments; navigation systems; instrument approach procedures; emergency operations; and post flight procedures. Students gain introductory experience in the flight operations specified in 14 CFR 141, Appendix C, Paragraph 4(d) for the FAA Instrument, Airplane rating.

Enrollment Requirement: Instructor consent.

Course Fee: \$835.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft flight instruments, attitude instrument flying, and instrument navigation.
- Analyze and interpret Federal Aviation Regulations pertaining to IFR flight.
- Demonstrate the ability to control aircraft and predict performance.
- Explain and use various navigation systems.
- Develop the ability to safely and efficiently operate in the National Airspace System.

Program Outcomes

Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 218 - Commercial Pilot Flight Simulation

Credits: 1

Flight simulation activity that provides hands-on experience with commercial pilot flight operations using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; airport surface operations; takeoffs, landings, and go-arounds; flight performance maneuvers; navigation; slow flight; stalls; emergency flight operations; multiengine and high-altitude operations; and post flight procedures. Students introductory experience in the flight operations specified in 14 CFR 141, Appendix D, Paragraph 4(d)(2) for the FAA Commercial Pilot, Airplane certificate.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft flight instruments, visual and attitude instrument flying, and navigation.

- Analyze and interpret Federal Aviation Regulations pertaining to commercial flight.

- Demonstrate the ability to control aircraft and predict performance.

- Explain and use various aircraft and navigation systems.

- Develop the ability to safely and efficiently operate in the National Airspace System.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

Prepare for an entry-level position as a fixed-wing Commercial Pilot.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 226 - Instrument Rating Completion

Credits: 1

Flight simulation activity that provides hands-on experience with flight operations in instrument meteorological conditions using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; air traffic control clearances and procedures; flight by reference to instruments; navigation systems; instrument approach procedures; emergency operations; and post flight procedures. Students must possess an Instrument Rating to complete this course.

Enrollment Requirement: A SIM 216 or AVIA 216; and instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft flight instruments, attitude instrument flying, and instrument navigation.

- Analyze and interpret Federal Aviation Regulations pertaining to IFR flight.

- Demonstrate the ability to control aircraft and predict performance.

- Explain and use various navigation systems.

- Obtain their Instrument Rating for their Private Pilot Certificate.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.

Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

A SIM 228 - Commercial Pilot Completion

Credits: 1

Flight simulation activity that provides hands-on experience with commercial pilot flight operations using an FAA approved flight simulator. Applied learning topics include preflight preparation and procedures; airport surface operations; takeoffs, landings, and go-arounds; flight performance maneuvers; navigation; slow flight; stalls; emergency flight operations; multiengine and high-altitude operations; and post flight procedures. Students must possess a Commercial Pilot Certificate to complete this course.

Enrollment Requirement: A SIM 218 or AVIA 218; and instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft flight instruments, visual and attitude instrument flying, and navigation.
- Analyze and interpret Federal Aviation Regulations pertaining to commercial flight.
- Demonstrate the ability to control aircraft and predict performance.
- Explain and use various aircraft and navigation systems.
- Obtain their Commercial Pilot Certificate.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.
- Prepare for an entry-level position as a fixed-wing Commercial Pilot.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

A SIM 300 - Flight Instructor Completion

Credits: 1

Ground school covering principles of instruction, instructor-student interaction, setting standards and developing aviation skills and knowledge in hands-on one-on-one, learning environments with special emphasis on safety and Line Oriented Flight Training (LOFT) procedures, methods and skills. Students must possess a Flight Instructor Certificate to complete this course.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of flight instruction techniques.
- Analyze and interpret Federal Aviation Regulations pertaining to flight instruction.
- Demonstrate the ability to flight instruct from the right seat of an aircraft.
- Develop the ability to safely and efficiently explain flight maneuvers.

Program Outcomes

- Prepare thoroughly for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 301 - Flight Instructor Instrument Completion

Credits: 1

Students must demonstrate skills and knowledge necessary to meet flight proficiency for the Flight Instrument Instructor Rating. Students must follow the requirements of Title 14

of the Code of Federal Rules Part 141 for this class under the training course outline from the appropriate authorized flight school. The student must possess an Instrument Flight Instructor Rating (CFII) to complete this course.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of Instrument flight instruction techniques.
- Analyze and interpret Federal Aviation Regulations pertaining to flight instruction.
- Demonstrate the ability to flight instruct from the right seat of an aircraft in IFR conditions.
- Develop the ability to safely and efficiently explain Instrument flight maneuvers.

Program Outcomes

- Prepare thoroughly for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

A SIM 324 - Turbine Operations Flight

Credits: 2

Focuses on the mechanical differences between a piston engine and a turbine engine and how those differences affect operating techniques. Focuses on turbojet, turbofan, and turboprop type applications. Students learn how turbine engines produce power, how to properly manage those engines during all phases of operation, and problems that can arise during operations.

Enrollment Requirement: Admission to BAS in Aeronautical Science degree. Student must have FAA Commercial ASEL with instrument rating or FAA Commercial AMEL with instrument rating.

Course Fee: \$1,100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft flight instruments, visual and attitude instrument flying, and navigation.
- Analyze and interpret Federal Aviation Regulations pertaining to turbine flight.
- Demonstrate the ability to control aircraft and predict performance.
- Explain and use various aircraft and navigation systems.
- Develop the ability to safely and efficiently operate in the National Airspace System.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.
- Prepare for an entry-level position as a fixed-wing Commercial Pilot.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 326 - Advanced Cockpit Technologies Flight

Credits: 2

Focuses on modern aircraft cockpit design. Includes discussion of glass cockpit technology, Flight Management Systems (FMS), GPS navigation, and modern aircraft design. Emphasis will be placed on familiarizing pilots with system designs that they can expect to see in modern corporate and commercial aircraft with emphasis on line oriented flight training (LOFT).

Enrollment Requirement: Admission to BAS in Aeronautical Science degree; and A SIM 324; or instructor consent. Student must have FAA Commercial ASEL with instrument rating or FAA Commercial AMEL with instrument rating.

Course Fee: \$1,100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply their understanding of aircraft flight instruments, visual and attitude instrument flying, and navigation.
- Analyze and interpret Federal Aviation Regulations pertaining to commercial, corporate, and air carrier operations.
- Demonstrate the ability to control aircraft and predict performance.
- Explain and operate various advanced aircraft and navigation systems.
- Develop the ability to safely and efficiently operate in the National Airspace System.

Program Outcomes

- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.
- Prepare for an entry-level position as a fixed-wing Commercial Pilot.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

A SIM 401 - Multi-Engine Completion

Credits: 1

Instruction and foundational knowledge for operating high performance aircraft with advanced engines, multiple engines, turbo-prop and turbine aircraft, and aircraft with advanced cockpit technologies. Special emphasis on safety of flight procedures, methods and skills. Students must possess a multi-engine rating to complete this course.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability for operating complex modern aircraft.
- Demonstrate the ability to fly multi-engine and turbine powered aircraft.
- Demonstrate the knowledge for using modern cockpit technologies including Flight Management Systems (FMS) that integrate flight control with navigation and systems operations.

Program Outcomes

- Prepare thoroughly for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

A SIM 402 - Multi-Engine Instructor Completion

Credits: 1

Students must demonstrate skills and knowledge necessary to meet flight proficiency for the Multi-Engine Flight Instructor Rating. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 for this class under the training course outline from the appropriate authorized flight school. The student must possess a Multi-Engine Flight Instructor Certificate (MEI) to complete this course.

Enrollment Requirement: Instructor consent.

Course Fee: \$420.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability for Instructing complex modern aircraft.
- Demonstrate the ability to fly and instruct multi-engine and turbine powered aircraft.
- Demonstrate the knowledge for using modern cockpit technologies including Flight Management Systems (FMS) that integrate flight control with navigation and systems operations.

Program Outcomes

- Prepare thoroughly for a position in the aviation industry.
- Employ their understanding of the integral parts of the global aviation industry through practical application of comprehensive aeronautical principles.
- Demonstrate their ability to work effectively in a multi-disciplinary and diverse team of aviation professionals through proficiency in the skills and technology used in the aviation industry.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Basic Education**BASIC 32 - Adult Basic Education Level 2**

Credits: 1-15

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, career and adult life skills. This is a pass/no credit course.

Enrollment Requirement: Instructor consent and appropriate CASAS score.

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the reading purpose.
- Select reading strategies appropriate to the purpose.
- Monitor comprehension and adjust reading strategies.
- Analyze the information and reflect on its underlying meaning and integrate it with prior knowledge to address reading purpose.
- Determine the purpose for communicating in writing.
- Organize and present information to serve the purpose, paying attention to conventions of English language usage, including grammar, spelling, and sentence structure.
- Revise writing to enhance effectiveness.
- Interpret pictures, numbers, and symbolic information.
- Apply knowledge of mathematical concepts and procedures.
- Evaluate the reasonableness of a result.
- Communicate results using graphs, charts, tables and algebraic models.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BASIC 33 - Adult Basic Education Level 3

Credits: 1-15

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, career and adult life skills. This is a pass/no credit course.

Enrollment Requirement: Instructor consent and appropriate CASAS score.

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the reading purpose.
- Select reading strategies appropriate to the purpose.
- Monitor comprehension and adjust reading strategies.
- Analyze the information and reflect on its underlying meaning and integrate it with prior knowledge to address reading purpose.
- Determine the purpose for communicating in writing.
- Organize and present information to serve the purpose, paying attention to conventions of English language usage, including grammar, spelling, and sentence structure.
- Revise writing to enhance effectiveness.
- Interpret pictures, numbers, and symbolic information.
- Apply knowledge of mathematical concepts and procedures.
- Evaluate the reasonableness of a result.
- Communicate results using graphs, charts, tables and algebraic models.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BASIC 34 - Adult Basic Education Level 4

Credits: 1-15

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, career and adult life skills. This is a pass/no credit course.

Enrollment Requirement: Instructor consent and appropriate CASAS score.

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the reading purpose.

- Select reading strategies appropriate to the purpose.

- Monitor comprehension and adjust reading strategies.

- Analyze the information and reflect on its underlying meaning and integrate it with prior knowledge to address reading purpose.

- Determine the purpose for communicating in writing.

- Organize and present information to serve the purpose, paying attention to conventions of English language usage, including grammar, spelling, and sentence structure.

- Revise writing to enhance effectiveness.

- Interpret pictures, numbers, and symbolic information.

- Apply knowledge of mathematical concepts and procedures.

- Evaluate the reasonableness of a result.

- Communicate results using graphs, charts, tables and algebraic models.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.

- Demonstrate competency in college-ready level mathematics.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BASIC 75 - Basic High School Equivalency Test Preparation

Credits: 1-15

Helps students master the skills in writing, critical thinking, social studies, science, reading and mathematics to pass the high school equivalency test. This is a pass/no credit course.

Enrollment Requirement: Instructor consent and appropriate CASAS score.

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the reading purpose.
- Select reading strategies appropriate to the purpose.
- Monitor comprehension and adjust reading strategies.
- Analyze the information and reflect on its underlying meaning and integrate it with prior knowledge to address reading purpose.
- Determine the purpose for communicating in writing.
- Organize and present information to serve the purpose, paying attention to conventions of English language usage, including grammar, spelling, and sentence structure.
- Revise writing to enhance effectiveness.
- Interpret pictures, numbers, and symbolic information.
- Apply knowledge of mathematical concepts and procedures.
- Evaluate the reasonableness of a result.
- Communicate results using graphs, charts, tables and algebraic models.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BASIC 76 - Advanced High School Equivalency Test Preparation

Credits: 1-15

Helps students master the skills in writing, critical thinking, social studies, science, reading and mathematics to pass the high school equivalency test. This is a pass/no credit course.

Enrollment Requirement: Instructor consent and appropriate CASAS score.

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the reading purpose.
- Select reading strategies appropriate to the purpose.
- Monitor comprehension and adjust reading strategies.
- Analyze the information and reflect on its underlying meaning and integrate it with prior knowledge to address reading purpose.
- Determine the purpose for communicating in writing.
- Organize and present information to serve the purpose, paying attention to conventions of English language usage, including grammar, spelling, and sentence structure.
- Revise writing to enhance effectiveness.
- Interpret pictures, numbers, and symbolic information.
- Apply knowledge of mathematical concepts and procedures.
- Evaluate the reasonableness of a result.
- Communicate results using graphs, charts, tables and algebraic models.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Biology

BIOL& 100 - Survey of Biology

Credits: 5

Presents foundational topics from biology including the environment, ecology, and physiology and cell biology to non-biology majors. Uses examples from all the kingdoms

of life.

Enrollment Requirement: Eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the steps of the process of science.

- Explain the role of the environment in natural selection.

- Identify the functions of the four classes of biomolecules and the monomers of each class.

- Identify the structure and function of cellular organelles.

- Solve Mendelian and non-Mendelian genetic problems.

- Summarize how DNA controls the phenotype of cells by encoding information for the production of protein.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 103 - Introduction to Botany

Credits: 5

Presents fundamentals of plants at the cellular, organism, and population levels to non-biology majors. Covers plant structure and function, genetics, photosynthesis, ecological principles, and their inter-relationships.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize and implement the steps of the process of science.

Identify plant structure/function relationships at the cellular level and the whole plant level.

Explain physiological processes pertinent to different members of Kingdom Plantae. Summarize how DNA controls the phenotype of cells by encoding information for the production of protein.

Solve Mendelian and non-Mendelian genetic problems.

Explain the role of the environment in the evolution of plants.

Identify and explain ecological concepts using examples.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 110 - Northwest Ecology

Credits: 5

Presents the diversity, characteristics, and interactions of terrestrial, freshwater, and marine organisms, especially as they relate to community and ecosystem sustainability of the Pacific Northwest.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$18.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify resident organisms of the Pacific Northwest.

Illustrate knowledge of the diversity and distribution of plants and animals of the Pacific Northwest.

State the importance of community interactions within and between Pacific Northwest ecosystems.

Program Outcomes

Students will learn the scientific method to recognize how scientists use this method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

Students will learn the steps of the scientific Method and be able to use the steps to design an experiment, collect data, and analyze the data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 125 - Field Studies

Credits: 3-5

Focuses on natural history, ecological and environmental topics at specific geographical areas, and involves online, classroom and field work. A reference letter is required.

Students must be able to walk 3-7 miles in one day, sleep outside, and follow class and instructor guidelines.

Enrollment Requirement: Eligible for ENGL& 101 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify, illustrate, and exemplify fundamental ecological processes in the environment.

- Identify, illustrate, and exemplify past, current, and future environmental issues along the Northwest Coast.

- Identify and evaluate real world problems using western science techniques.

- Collect, analyze, and interpret ecological data to evaluate environmental phenomena.

- Use the physical senses to heighten experiences.

- Find order, wholes, and unity of parts.

- Produce work that is neat in appearance.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 127 - Natural Science of Australia and New Zealand

Credits: 5

Focuses on the ecology of Australia and New Zealand, including ecosystems and human impact on ecosystems. Investigates the biodiversity, characteristics, and interactions of Australian flora and fauna within various habitats and ecosystems. Involves field observations and experiences. Does not meet the lab requirement.

Enrollment Requirement: Enrollment in Australia Study Abroad Program and eligible for ENGL& 101.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Define ecological terms and describe ecological principles.
- Describe the flow of energy and the cycling of matter within an ecosystem.
- Describe abiotic and biotic components, including human impacts, of an ecosystem and relate how they interact.
- Describe the methods and tools used in the study of ecology.
- Make observations and logically link those observations to information from the course.
- Develop skills to work effectively with peers in finding solutions to problems.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 135 - Microbes and Society

Credits: 5

Explores the fascinating world of microbes and their impact on human society. It introduces concepts of basic biochemistry, cell structure, growth, and metabolism. The course will also discuss the intersections of humans and microbial disease and disease

prevention, and use of microbes in agriculture, food-production, industry, and medicine. The laboratory portion includes culturing, staining, and microscopy of microbes, and intersections of microbiology and biotechnology. Intended as a non-major's science course.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Recommended: Completion of ENGL& 101 - English Composition I.

Satisfies Requirement: Natural Science or Lab Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the history and evidence that led Pasteur to disprove the theory of spontaneous generation.
- Examine the structure and function of biomolecules and how they contribute to life.
- Distinguish and compare unique aspects of prokaryotic and eukaryotic cellular physiology.
- Describe the evidence that supports the endosymbiotic theory.
- Distinguish mechanisms of horizontal gene transfer and how they can result in new diseases.
- Examine the impact of microbes on human health.
- Explore the relationship between microbes and the environment.
- Analyze the social and cultural implications of microbes.
- Employ various microbiological techniques in the lab and interpret results.
- Develop critical thinking and scientific reasoning skills.

Program Outcomes

Recognize how scientists use the scientific method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 140 - Field Trips in Biology

Credits: 1

Explores various biological ecosystems of the Pacific Northwest. Locations of the field trips vary from year to year.

Enrollment Requirement: Eligible for ENGL& 101; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify, illustrate, and exemplify fundamental ecological processes in the environment.
- Identify, illustrate, and exemplify past, current, and future environmental issues along the Northwest Coast.
- Identify and evaluate real world problems using western science techniques.
- Collect, analyze, and interpret ecological data to evaluate environmental phenomena.
- Use the physical senses to heighten experiences.
- Find order, wholes, and unity of parts.
- Produce work that is neat in appearance.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 160 - General Biology with Lab

Credits: 5

Introduces major concepts in cell biology, including science process, cell biochemistry, cell physiology and structure, molecular biology, genetics, and evolution. Course is a prerequisite for professional health-science programs. Format includes group work in a laboratory setting. Intended for health science majors.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher. **Recommended:** STRONGLY MATH 97 or higher and CHEM& 121.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

Attributes of living things: Critically evaluate the characteristics of living organisms, including vital functions.

Scientific method: Apply the scientific method to answer biology questions and critically analyze published research.

Biochemistry: Critically evaluate biochemistry principles of structure, bonds/energy, reactions, enzymes, pH, and water to cell biology. Distinguish between metabolic and cellular uses of dietary nutrients.

Cells: Explain how cell structures enable specific functions to be performed in prokaryotic and eukaryotic cells.

Transport and gradient mechanisms: Distinguish between active and passive transport processes and identify examples of each. Predict how fluid tonicity influences osmosis; explain the significance of tonicity on cell structure and function.

Cell cycle: Compare and contrast the division process of meiosis and mitosis.

Genetics: Apply the principles of genetics to explain inheritance, protein synthesis, mutation, genetic diseases, cancer, differentiation, and use in biotechnology.

Other areas: Demonstrate proficiency in a variety of lab techniques used in the study of cell structure and function.

Program Outcomes

Interpret biological data and draw conclusions from graphs and tables.

Summarize and apply the steps of the scientific method.

Answer multiple choice questions regarding organic chemistry, energy transfer in organisms, cell division, genetics, DNA, protein synthesis and natural selection.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 175 - Human Biology with Lab

Credits: 5

Introduction to structure and function of the human body including anatomical terminology, cells/tissues, organ systems, and common diseases.

Enrollment Requirement: Eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Define anatomical and physiological terms and use scientific terminology accurately to communicate about human biology in health and disease.

Name and describe the relationship between the levels of organization of the human body from molecules to organism.

Describe the normal anatomy and physiology of the 11 organ systems and how common diseases affect structures and functions of systems.

Describe how body systems function interdependently to maintain human health and provide examples of system interdependence.

Explain the concept of homeostasis and illustrate feedback loops used to regulate homeostasis.

Apply the principle of complementarity to demonstrate the relationship between structure and function.

Demonstrate lab safety and proficiency in identifying anatomical structures and performing experiments which illustrate physiological pathways.

Program Outcomes

Recognize and use essential components of effective reasoning to evaluate information and to improve the quality of their own thinking.

Apply relevant criteria and intellectual standards when evaluating their thinking as well as the thinking of others.

Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.

Demonstrates active communication and close reading skills.

Connects past learning with current topics.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 177 - Biology Work Experience

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171; and eligible for ENGL& 101; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Use and apply the practical knowledge learned from their on-the-job experiences to understand principles taught in introductory biology classes like Survey of Biology or Introductory Botany.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 194 - Special Topics-Biology 1

Credits: 1-5

Focuses on topics such as bird study, local plants, and environmental issues such as timber management and pollution in Puget Sound. Instructor lectures, leads class and group discussion and readings. May be repeated when a different topic is presented.

Enrollment Requirement: Eligible for ENGL & 101 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Identify, illustrate, and exemplify fundamental ecological processes in the environment.

Identify and evaluate real world environmental and ecological problems using western science techniques.

Collect, analyze, and interpret ecological data to evaluate environmental phenomena.

Demonstrate the ability to produce work that is neat in appearance.

Program Outcomes

Students will learn the scientific method to recognize how scientists use this method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL 195 - Special Topics-Biology 2

Credits: 1-4

A lab component that may be linked to BIOL 194. Focuses on topics such as bird study, local plants, and environmental issues such as timber management and pollution in Puget Sound.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Course Fee: \$18.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify, illustrate, and exemplify fundamental ecological processes in the environment.

- Identify and evaluate real world environmental and ecological problems using western science techniques.

- Collect, analyze, and interpret ecological data to evaluate environmental phenomena.

- Demonstrate the ability to produce work that is neat in appearance.

Program Outcomes

Students will learn the scientific method to recognize how scientists use this method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 211 - Majors Cellular

Credits: 6

Students will develop an understanding of the chemical basis of life, cell structure and function, cellular respiration, photosynthesis, cell division, mitosis/meiosis, principles of inheritance, molecular genetics, DNA technology, and natural selection; interpret and

evaluate biological information; and understand science as a process. For students planning to take advanced biology courses and/or completing pre-professional programs. Stresses independent laboratory work. Successful students apply their understanding of the principles taught to new situations.

Enrollment Requirement: CHEM& 131 or CHEM& 163; and ENGL& 101 with grades of 2.0 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- List the steps in a generalized model of the scientific method and describe the limitations of science.
- Perform experiments with understanding, record data accurately, and communicate results using the standard form for scientific literature.
- Classify organisms using the five-kingdom approach.
- Describe basic atomic structure and chemical bonding: ionic, covalent and hydrogen bonding.
- Describe Darwin's theory of natural selection as a mechanism of change over time.
- Identify the structure, function, and monomers of the four major classes of macromolecules found in cells.
- Describe and identify the structure and function of the plasma membrane and the major cell organelles.
- Discuss the mechanisms of cellular respiration and photosynthesis and how these processes drive the production of ATP.
- Compare and contrast the mechanisms of mitosis and meiosis and how meiosis generates genetic diversity.
- Describe the mechanisms that govern the cells cycle and how cell cycle deregulation can lead to disease.
- Describe the function of chromosomes and genes and their role in heredity.
- Predict patterns of inheritance using Mendelian and non-Mendelian genetics.
- Describe mechanisms of gene expression regulation in prokaryotes and eukaryotes including epigenetic regulation.
- Summarize the general structure of viruses and how they impact cell physiology to replicate.
- Examine and apply various forms of recombinant DNA technology and carry out various application in the laboratory.
- Use a compound microscope to observe and identify basic cell structures.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical

data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 212 - Majors Animal

Credits: 6

Surveys the animal kingdom in the context of evolution, taxonomic classification, and comparative anatomy and physiology. Focuses on selected representatives of the animal kingdom. Laboratory portion of this class corresponds to selected lecture topics and provides hands-on experience. Stresses independent laboratory work. Successful students apply their understanding of the principles taught to new situations.

Enrollment Requirement: BIOL& 211 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the evolutionary implications of phylogenetic relationships.
- Describe key evolutionary concepts and mechanisms.
- List major taxonomic categories of the Kingdom Animalia.
- Describe key traits of the taxonomic categories.
- Describe the comparative anatomy and physiology of selected representatives of the animal kingdom.
- Explain the evolutionary adaptations in animal anatomy, physiology, and behavior.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 213 - Majors Plant

Credits: 6

Covers the phylogenetic relationships of flowering plants, photosynthesis, plant structure and function, water and mineral nutrition, control of growth and development, and animal and plant ecology. Presents topics using a problem-solving approach to plant biology through observation and discussion. Stresses independent laboratory work. Successful students apply their understanding of the principles taught to new situations.

Enrollment Requirement: BIOL& 211 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify phylogenic relationships of Kingdom Plantae and connections to other Kingdoms.

- Identify plants to the level of species.

- Identify plant cell types and their function.

- Identify and evaluate water and mineral nutrition of plants in relation to structure, function.

- Demonstrates knowledge of physiological and morphological processes associated with growth and development.

- Collect, summarize, analyze, and correctly interpret data from field and laboratory studies.

- Apply class knowledge to basic ecological and environmental situations.

- Apply their understanding of principles taught to new situations.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 241 - Human Anatomy and Physiology 1

Credits: 5

First of a two-quarter sequence covering the study of human structure and function. Includes the study of cells, tissues and the integumentary, skeletal, muscular and nervous systems. Explores mechanisms of common human disease processes. Laboratory component includes anatomical studies using microscopy, palpation, and dissection and the study of physiological concepts via experimentation. Prepares transfer students for careers in health profession fields.

Enrollment Requirement: Eligible for ENGL& 101; and AP 104 or BIOL& 160 or BIOL& 211, with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define basic anatomical and physiological terms.
- Describe the normal anatomy and physiology of the Integumentary, Skeletal, Muscular, Nervous, systems and diseases common to these systems.
- Describe how body systems interact with one another in human health and disease.
- Explain the concept of homeostasis and give examples of homeostatic regulatory mechanisms in cells, tissues, organs, and body systems.

Program Outcomes

- Recognize and use essential components of effective reasoning to evaluate information and to improve the quality of their own thinking.
- Apply relevant criteria and intellectual standards when evaluating their thinking as well as the thinking of others.
- Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.
- Demonstrates active listening and close reading skills.
- Connect past learning with current topics.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

BIOL& 242 - Human Anatomy and Physiology 2

Credits: 5

Second of a two-quarter sequence covering the study of human structure and function. Includes the study of endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Explores mechanisms of common human disease processes. Laboratory component includes anatomical studies using microscopy, palpation, and dissection and the study of physiological concepts via experimentation. Prepares transfer students for careers in health professions.

Enrollment Requirement: BIOL& 241 with a grade of 2.0 or higher; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define basic anatomical and physiological terms.
- Describe the normal anatomy and physiology of the human body, emphasizing interactions between and within the systems.
- Describe how body systems interact with one another in human health and disease.
- Explain the concept of homeostasis and give examples of homeostatic regulatory mechanisms in cells, tissues, organs, and body systems.

Program Outcomes

- Recognize and use essential components of effective reasoning to evaluate information and to improve the quality of their own thinking.
- Apply relevant criteria and intellectual standards when evaluating their thinking as well as the thinking of others.
- Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.
- Demonstrates active listening and close reading skills.
- Connect past learning with current topics.

College-wide Outcomes

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BIOL& 260 - Microbiology

Credits: 5

Introduces the characteristics and activities of microorganisms with emphasis on the role of microorganisms in medicine, the environment and industry. Topics include microbial classification, growth, metabolism, the role of microorganisms in disease, and immune responses of the host. Laboratory portion includes culture, identification and control of selected microorganisms.

Enrollment Requirement: AP 104, BIOL&212, or BIOL&242 with a grade of 2.0 or higher; and eligible for ENGL&101; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$80.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Acquire a basic knowledge of the structure and function of diverse microorganisms.
- Define and apply basic microbiology terms.
- Use sterile and safe handling techniques in the laboratory to grow and characterize microorganisms.
- Describe the role of specific microorganisms in human pathologies and describe immune responses of the host.

Program Outcomes

- Recognize and use essential components of effective reasoning to evaluate information and to improve the quality of their own thinking.
- Apply relevant criteria and intellectual standards when evaluating their thinking as well as the thinking of others.
- Provide reasons for the conclusions they reach or accept and assess the relevance and adequacy of those reasons.
- Demonstrates active listening and close reading skills.
- Connect past learning with current topics.

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BIOL 298 - Independent Study-Biology

Credits: 1-5

Independent study of selected topic(s) in various areas of the biological sciences.

Student and instructor determine topics and scope. Successful students apply their understanding of the principles taught to new situations.

Enrollment Requirement: Eligible for ENGL&101 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify, illustrate, and exemplify fundamental ecological processes in the environment.
- Identify, illustrate, and exemplify past, current, and future environmental issues along the Northwest Coast.
- Identify and evaluate real world problems using western science techniques.
- Collect, analyze, and interpret ecological data to evaluate environmental phenomena.
- Use the physical senses to heighten experiences.
- Find order, wholes, and unity of parts.
- Produce work that is neat in appearance.

Program Outcomes

Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

College-wide Outcomes

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Business Management

BUS& 101 - Introduction to Business

Credits: 5

Students sample the functional operations of any business, such as accounting, organization, personnel management, marketing, and social responsibility. Students also play the role of investor to experience the market process as it operates through contemporary financial institutions. A survey of the evolution of free market and command economies leads to understanding relationships of business with labor and government in today's mixed economy.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent. **Recommended:** Writing skills.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Define business and identify its potential risks and rewards.
- Explain how the basic economic questions are answered in both free market and planned economics.
- Summarize the differences between the common form of business ownership.
- Discuss the management process and some contemporary motivational theories.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

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Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BUS 103 - Business Leadership

Credits: 5

Introduces and develops skills necessary for effective leadership. Topics include key traits of strong leaders, motivation of others, coaching skills, negotiation, conflict resolution, team management, diversity, and change management.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize characteristics of strong leaders.
- Assess your own leadership strengths and weaknesses.
- Examine strategies for motivating the workforce.
- Summarize strategies for conflict management.
- Demonstrate workplace communication skills.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
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BUS 121 - Marketing Fundamentals

Credits: 5

Examines how to build a successful marketing strategy. Students learn to understand consumer behavior, identify target market segments, select distribution channels, price for profitability, and select promotional tactics. Emphasizes the integration of these marketing functions into an effective plan.

Course Outcomes:

Students who successfully complete this class will be able to:

- Become acquainted with the marketing concept, market segmentation and marketing mix.
- Explain the nature, purpose and function of marketing research.
- Describe the consumer and industrial markets.
- Discuss the buyer, his behavior, motivation, and buying patterns.
- Summarize the manner in which products are planned, created, and developed.
- Explain the elements of pricing and the major ways in which prices are determined.
- Describe of the various channels of distribution, their functions and methods of operation.
- Explain the role and function of promotion in marketing.
- Outline how marketing programs are planned, executed, controlled and evaluated.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
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BUS 159 - Professional Selling

Credits: 5

Focuses on the interpersonal skills needed for success in a variety of sales and account management positions. Students develop skills in effective communication and

relationship building, prospecting, sales presentations, and closing the sale. Students also develop skills that have a wide range of personal and professional applications.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the characteristics of successful salespeople.
- Outline the sales process.
- Summarize methods of prospecting.
- Explain the SPIN and ADAPT methods of selling.
- Construct a sales presentation.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
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BUS 164 - Entrepreneurship and Small Business Management

Credits: 5

Introduces the fundamentals of small business startup and growth. Topics include development of business concept, strategic planning, marketing, financing, and an overview of international business. Examines important principles for businesses of any size.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the business system and explains what business is and why it exists.
- Explain the roles of the law, ethics, and social responsibility play in business today.
- Distinguish the basic forms of business ownership, and the advantages and disadvantages of each.
- Summarize the principles of organization, the management process, and the nature of leadership and motivation.
- Explain the role of finance in business operations and describe the differences between internal and external financing methods.
- Explain the basic accounting tools used by management and to show the manner in which each is used.
- Summarize the use of forecasts and budgets in planning an organization's efforts.
- Explain the 4 P's of marketing.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BUS 166 - Human Relations and Work Readiness

Credits: 5

Develops personal skills necessary for success in business. Topics include goal setting, time management, teamwork, communication, business etiquette, and making a positive impact in the workplace. Focuses on application of skills to maximize personal and professional effectiveness.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify theories of motivation and human behavior.
- Describe the impact of human perception and people relationships.
- Discuss and distinguish four general styles of leadership.
- Explain the essential principles of understanding communication.
- Examine current workforce issues faced by today's employees and managers, including diversity, discrimination and sexual harassment.
- Define customer service and list the major components of a customer-focused environment.
- Explain the strategies for improving listening ability.
- Illustrate strategies for time management.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

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BUS 173 - Basic Financial Management

Credits: 5

Provides an introduction to financial management from both a personal and business perspective. Includes cash flow management, planning for major expenditures, the risks and returns of various investment vehicles, and the costs/benefits of using debt.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the steps involved in personal financial planning.
- Develop a personal balance sheet.
- Define the main steps and skills required in creating a budget.
- Explain the advantages and disadvantages of consumer credit.
- Define the major types of insurance and their purpose.
- Describe the major types of investments according to their risk/return profile.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
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BUS 177 - Supervised Work Experience 1

Credits: 1-6

Workplace experience allows students to apply skills learned in the Business Management program. Internships approved by faculty coordinator can be paid or

unpaid. Variable credit based on hours in internship.

Enrollment Requirement: Completion of at least 15 credits in Business Management and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop short-term goals for work-related responsibilities.
- Complete work-related responsibilities.
- Assess performance against the goals for work-related responsibilities.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

College-wide Outcomes

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BUS 180 - Supervised Work Experience 2

Credits: 1-6

Workplace experience allows students to apply skills learned in the Business Management program. Internships approved by faculty coordinator can be paid or unpaid. Variable credit based on hours in internship.

Enrollment Requirement: Completion of at least 15 credits in Business Management and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop short-term goals for work-related responsibilities.
- Complete work-related responsibilities.
- Assess performance against the goals for work-related responsibilities.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

College-wide Outcomes

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BUS 181 - Introduction to International Business

Credits: 5

Survey of topics related to international business and trades. Introduces students to the international business environment, trade theories, the basics of international monetary and political systems, and the effects of legal, political and cultural forces on the global economy.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the process of globalization; what causes it and its effects.
- Identify the components of culture and describe its impact on international business.
- Describe various political, economic, and ethical systems that exist in the global business environment.
- Explain the basics of international trade and foreign direct investment.
- Summarize the basics of regional economic integration and identify the key regional economic bodies in the world today.
- Discuss the various aspects of international financial markets and international monetary systems.
- Explain how to quote currencies in the foreign exchange market.
- Discuss international business strategies and opportunities.
- Evaluate market entry strategies for companies involved in international business.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
- Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

College-wide Outcomes

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BUS& 201 - Business Law and the Regulation of Business

Credits: 5

Focuses on business law and the regulation of business activities. Emphasizes contracts, the uniform commercial code, sales and secured transactions, bankruptcy, and third-party contract rights. Illustrates concepts using the case method presentation approach.

Enrollment Requirement: Eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Display a working knowledge of business law in society, and the factors that affect the evolution of those laws over time.
- Analyze the basic legal concepts and selected areas of law affecting business transactions, including the process of resolving claims.
- Recognize ethical issues in business and the legal implications.
- Demonstrate awareness of the fundamental concepts of contracts, the Uniform Commercial Code, third-party contracts, performance, breach, and the remedies available for breach.

Demonstrate an ability to articulate the specific holdings and reasoning in given assigned cases

Program Outcomes

Recognize and use critical thinking elements and standards as they apply to the study of legal content.

College-wide Outcomes

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BUS 202 - Introduction to Project Management

Credits: 5

Examines how to manage projects of all sizes by planning, scheduling, budgeting, monitoring and controlling the project. Emphasizes common tools and methods used by project managers to communicate with stakeholders and complete projects on time, on budget and per client's requirements.

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize uses of project management in various industries and job positions.

Define project scope and understand the importance of working with project stakeholders.

Identify tasks and create a work breakdown structure.

Schedule tasks according to priorities and predecessors; identify the project critical path.

Schedule a project and understand options for altering schedule or rebalancing resources.

Summarize basic budgeting and risk management methods.

Explain various methods for process improvement.

Program Outcomes

Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.

Describe the basics of strategic planning and creative problem solving.

Explain the methods for organizing and delegating work.

Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

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BUS 257 - Customer Service Strategies

Credits: 5

Explores customer service as a competitive advantage in business and personal career development. Students learn to identify customer needs, solve problems, handle conflict, and exceed customer expectations.

Course Outcomes:

Students who successfully complete this class will be able to:

Explain the concept of services marketing.

Differentiate how to assess and improve service quality.

Analyze a business firm's service delivery.

Utilize case studies for improving customer service strategies.

Program Outcomes

Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.

Describe the basics of strategic planning and creative problem solving.

Explain the methods for organizing and delegating work.
Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BUS 258 - Principles of Management and Supervision

Credits: 5

Integrates and builds upon skills learned in previous Business Management courses. Students learn about strategic planning and decision making, leadership and motivation in the workplace, human resources, and various best practices of successful management.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the basics of strategic planning and creative problem solving.
- Discuss methods to organize and delegate work.
- Evaluate processes for hiring, firing, and evaluating staff.
- Describe keys to effective communication and leadership in the workplace.
- Identify common tools for a manager.
- Discuss systems for controlling finances, people, and operations.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.
- Describe the basics of strategic planning and creative problem solving.
- Explain the methods for organizing and delegating work.
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BUS 259 - Customer Service Representative Practicum

Credits: 5

Students engage in a simulated contact center to develop proficiency in customer service by applying human relations, communications, conflict resolution, and problem-solving skills.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain how the function and service provided by a call center contribute to organizational effectiveness.

- Identify customer issues, analyze root causes, make appropriate decisions, and ensure correct results and ongoing customer support.

- Compose customer communications that articulate root causes and solutions in a concise and empathetic manner and utilize a variety of communication mediums, which may include chat, email, text, and social media methods.

- Resolve customer issues by applying the following skills: Utilizing Standard Operating Procedures (SOPs), Negotiation, and Conflict Resolution.

- Verbally articulate root causes and solutions in a concise and sympathetic manner.

- Implement effective human relations skills in a contact center environment by contributing to a team process improvement project.

- Apply computer and technology proficiency while participating in a call center simulation lab by engaging with customers, recording call information, troubleshooting, and documenting resolution.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

Communicate clearly, appropriately, and persuasively to business stakeholders, both orally and in writing.

Describe the basics of strategic planning and creative problem solving.

Explain the methods for organizing and delegating work.

Discuss self-management skills related to areas such as goal setting, self-esteem, and problem solving.

College-wide Outcomes

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BUS 300 - Introduction to Entrepreneurial Leadership

Credits: 5

Students study leadership theories, skills and practices necessary for effectiveness in varied entrepreneurial settings. Examines the interpersonal and strategic characteristics of the successful entrepreneur. Major topics include team dynamics, leading people, leading by example, leading projects, creating goals, and setting expectations.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate interpersonal behaviors associated with effective entrepreneurial leadership in a team-based setting.

- Apply strategies associated with highly effective teams to complete an experiential learning project.

- Build a team using theories from entrepreneurial leadership literature and team dynamic literature.

- Analyze individual entrepreneurial leadership skills and teaming skills through self-assessment and reflection.

- Discuss entrepreneurial leadership and teaming strategies using theory and research.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
- Apply economic and behavioral concepts to strategy formulation.
- Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.
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BUS 310 - Marketing Research and Analytics

Credits: 5

Students learn to formulate marketing goals by utilizing market research methods to collect, analyze, and evaluate marketing data and information. Topics include market research methods, data analysis and interpretation, research proposals, communicating research, and strategic applications of research.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300 and BUS 401; or instructor consent. **Recommended:** MATH 256.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Contrast marketing research methods in terms of effectiveness, accuracy, cost, and required resources.

Differentiate major types of measurement techniques and data collection methods.
Analyze data obtained using marketing research.
Construct market research project proposal that specifies research goals and methods.
Propose marketing strategy recommendations utilizing results obtained from marketing research.

Program Outcomes

Analyze and use business data to develop appropriate business and marketing strategies.
Apply entrepreneurship principles to better leverage organizational resources.
Apply economic and behavioral concepts to strategy formulation.
Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.
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BUS 335 - Integrated Marketing Communications

Credits: 5

Students learn to develop, measure, and evaluate an integrated marketing communications plan. Topics include situational and competitive analysis, target market segmentation, creative strategy, media planning and selection, budget determination, and measuring effectiveness of promotional program.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385 and BUS 403; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the concept of integrated marketing communications and how it relates to various components of the marketing mix.
- Outline a marketing strategy that integrates situational analysis, competitive analysis, and target market analysis.
- Develop a creative strategy that encompasses definition of target audience, key selling ideas, desired brand image, and tactics for creative execution.
- Construct a media plan that accomplishes predetermined objectives for targeting, reach, frequency, and creative strategy.
- Critique the media selection for a promotional program based on the objectives for the promotional program.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BUS 340 - Project Management

Credits: 5

Examines the theories and best practices for completing projects on time, on budget, and to specification. Students learn to apply knowledge and skills to effectively initiate, plan, execute, and complete projects. Software-based project management tools are discussed. Course aligns with current PMBOK Guide.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define a project and how it contrasts with ongoing operations.
- Identify stakeholders.
- Write project charter, scope of work, communications plan, and responsibility matrix.
- Examine risks to a project and methods for mitigating those risks.
- Build a Work Breakdown Structure.
- Identify task relationships and schedule tasks based on available resources.
- Estimate project costs and timelines.
- Rebalance project schedule and understand impact to cost, schedule, and quality.
- Apply keys to building strong project team and solving common project problems.
- Examine methods for monitoring project and closing out project.
- Implement common project management software tools to assist scheduling, estimating, and monitoring of project.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
- Apply economic and behavioral concepts to strategy formulation.
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BUS 344 - Entrepreneurial Finance

Credits: 5

Students learn to apply financial management practices to obtain the financial capital necessary to operate and grow entrepreneurial ventures. Topics include financial statement analysis, valuation, determining financing needs, financing alternatives, and stages of financing.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300 and BUS 401; or instructor consent. **Recommended:** STRONGLY ENCOURAGE ACCT 110 or ACCT& 201.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the purpose and structure of a balanced sheet, income statement, and statement of cash flows.
- Evaluate financial and operating performance of a firm by analyzing their financial statements.
- Determine company value using multiple valuation models.
- Estimate financing needs for a firm using projected financial statements.
- Develop financial plan for a firm based on their financing needs and the available financing alternatives.

Program Outcomes

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- Apply economic and behavioral concepts to strategy formulation.
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- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BUS 350 - Production Development and Innovation

Credits: 5

Students learn how to identify, design, produce, test, and evaluate a new product.

Topics include identification of market opportunities, generation of product concepts, feasibility analysis, prototyping, supplier selection, production planning, and testing.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344 and BUS 402; or instructor consent. **Recommended:** STRONGLY ENCOURAGE ACCT 110 or ACCT& 201.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Justify market opportunity for a new product using analysis of target market, competition, and other components of the business environment.
- Generate multiple product concepts that address market opportunity.
- Analyze feasibility of product concepts in terms of design, manufacturing, and cost.
- Develop plan for creating and testing prototype of product concept.
- Compose a product development plan that includes product specifications, supplier identification, performance testing, and financial analysis of project.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BUS 360 - Sales and Negotiation

Credits: 5

Students learn to integrate selling and negotiation strategies to effectively create productive buyer-seller relationships. Topics include strategic prospecting, managing the sales funnel, developing sales proposals, applying interest-based negotiations principles, and developing options for mutual gain.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385, BUS 403, BUS 335, BUS 390 and BUS 365; or instructor consent. **Recommended:** BUS 159.

Course Outcomes:

Students who successfully complete this class will be able to:

- Critique strategies for effective negotiation based on a negotiation scenario.
- Apply interest-based negotiation principles.
- Outline the process and strategies needed to create a productive buyer-seller relationship.
- Implement successful sales management practices.
- Formulate a sales strategy for a given sales scenario.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
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BUS 365 - Consumer Behavior

Credits: 3

Examines how and why people behave as buyers. Students learn how to analyze buyer behavior, consumer motivation, perception, attitudes, and influences. Topics include cultural and social influences, advertising and salesperson influences, market segmentation, and the decision-making process.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385 and BUS 403; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Outline the key factors that affect consumer behavior.
- Summarize consumer trends based on current research related to consumer behavior.
- Contrast the types and stages of consumer decision-making.
- Determine consumer buying behavior using market segmentation analysis.
- Formulate specific marketing strategies given a scenario for consumer buying behavior.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
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BUS 385 - Operations Management for Competitive Advantage

Credits: 5

Students learn to apply operations management methods to increase results and streamline processes in small to medium-sized businesses. Topics include forecasting, process and facility selection, work design, production planning and scheduling, process improvement, and quality control.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344 and BUS 402; or instructor consent. **Recommended:** MATH 256.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the role of operations management for maximizing competitiveness and productivity.
- Determine product and service capacity needs using multiple forecasting methods.
- Critique options for process selection, facility layout, and work design based on a firm's business objectives and forecast.
- Construct production plan that meets a firm's objectives for lead times, inventory levels, capacity, and cost.
- Estimate the cost-benefit of process and quality improvement initiatives, including those encompassing principles of Lean, Six Sigma, and SPC.

Program Outcomes

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BUS 390 - Digital Marketing

Credits: 5

Students learn how to apply digital marketing and analytic tools to create competitive and effective digital marketing programs. Topics include optimizing web and social content, online advertising, lead generation, email marketing, and web analytics.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385 and BUS 403; or instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the role of digital marketing in an integrated marketing communications plan.
- Compare the various forms of digital marketing in terms of cost, reach, targeting, and measurability.
- Critique websites and landing pages for effectiveness of messaging, layout, and navigation.
- Calculate the return on investment for an online marketing campaign.
- Modify an online strategy by using web analytics to optimize traffic, customer engagement click-through rates, and/or conversions.

Program Outcomes

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BUS 395 - Strategic Marketing and Management

Credits: 5

Examines how managers develop, implement, and evaluate strategic marketing decisions to maximize long-term profitability of a firm. Topics include analysis of competitor behavior, product line management, and long-term road mapping of product and branding strategy.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program or instructor consent. **Recommended:** BUS 258.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop marketing strategies for products at different stages of the product life cycle.
- Modify a product line based on the firm's marketing strategy, the business environment, and the product's stage in the product life cycle.
- Critique a firm's roadmap for product mix in terms of its effect on customer acquisition, customer retention, and market positioning.
- Formulate strategies to maximize customer acquisition and retention.

Design marketing strategies that leverage the core competencies of the firm with forces of the business environment.

Program Outcomes

Analyze and use business data to develop appropriate business and marketing strategies.

Apply entrepreneurship principles to better leverage organizational resources.

Apply economic and behavioral concepts to strategy formulation.

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BUS 400 - Personal and Professional Branding

Credits: 5

Students apply personal and professional branding strategies to develop a comprehensive personal marketing and career plan. Topics include methods of conveying a consistent personal brand, career planning, job targeting, networking, personal marketing materials, effective use of social media, and involvement in targeted professional associations.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385, BUS 403, BUS 335, BUS 390, BUS 365, BUS 360, BUS 460 and BUS 404; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a personal branding strategy that effectively communicates core values, skills, strengths, and value proposition to appropriate stakeholders.
- Create a personal marketing plan that can be utilized for identifying and attaining professional opportunities.
- Apply networking strategies to increase professional opportunities.
- Construct, format, and tailor a professional resume, digital profile, and portfolio.
- Demonstrate an understanding of the behavioral interview process by participating in simulated behavioral interviews.
- Create a professional development plan that focuses on further development of strengths, addresses weaknesses, identifies career opportunities, and acknowledges threats.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
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BUS 401 - Special Topics: Marketing and Entrepreneurship 1

Credits: 2

Students study and train to meet established needs in business, marketing and

entrepreneurship practices. Course content varies each time it is offered. Intended to meet the program outcomes associated with the Bachelors of Applied Science in Marketing and Entrepreneurship.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Analyze a specific topic in marketing and entrepreneurship.

Explain how to apply the topic to develop, grow, or optimize a business.

Program Outcomes

Analyze and use business data to develop appropriate business and marketing strategies.

Apply entrepreneurship principles to better leverage organizational resources.

Apply economic and behavioral concepts to strategy formulation.

Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.

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BUS 402 - Special Topics: Marketing and Entrepreneurship 2

Credits: 3

Students study and train to meet established needs in business, marketing and entrepreneurship practices. Course content varies each time it is offered. Intended to meet the program outcomes associated with the Bachelors of Applied Science in Marketing and Entrepreneurship.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300 and BUS 401; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Analyze a specific topic in marketing and entrepreneurship.

Explain how to apply the topic to develop, grow, or optimize a business.

Program Outcomes

Analyze and use business data to develop appropriate business and marketing strategies.

Apply entrepreneurship principles to better leverage organizational resources.

Apply economic and behavioral concepts to strategy formulation.

Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.

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BUS 403 - Special Topics: Marketing and Entrepreneurship 3

Credits: 2

Students study and train to meet established needs in business, marketing and entrepreneurship practices. Course content varies each time it is offered. Intended to meet the program outcomes associated with the Bachelors of Applied Science in Marketing and Entrepreneurship.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344 and BUS 402; or instructor

consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Analyze a specific topic in marketing and entrepreneurship.

Explain how to apply the topic to develop, grow, or optimize a business.

Program Outcomes

Analyze and use business data to develop appropriate business and marketing strategies.

Apply entrepreneurship principles to better leverage organizational resources.

Apply economic and behavioral concepts to strategy formulation.

Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.

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BUS 404 - Special Topics: Marketing and Entrepreneurship 4

Credits: 3

Students study and train to meet established needs in business, marketing, and entrepreneurship practices. Course content varies each time it is offered. Intended to meet the program outcomes associated with the Bachelors of Applied Science in Marketing and Entrepreneurship.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385, BUS 403, BUS 335, BUS 390 and BUS 365; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze a specific topic in marketing and entrepreneurship.
- Explain how to apply the topic to develop, grow, or optimize a business.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
- Apply economic and behavioral concepts to strategy formulation.
- Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.
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BUS 405 - Special Topics: Marketing and Entrepreneurship 5

Credits: 2

Students study and train to meet established needs in business, marketing, and entrepreneurship practices. Course content varies each time it is offered. Intended to meet the program outcomes associated with the Bachelors of Applied Science in Marketing and Entrepreneurship.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385, BUS 403, BUS 335, BUS 390, BUS 365, BUS 360, BUS 460 and BUS 404; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze a specific topic in marketing and entrepreneurship.
- Explain how to apply the topic to develop, grow, or optimize a business.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
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BUS 460 - Venture Launch 1

Credits: 5

Students work in teams to research, plan, and present a business proposal to business development counselors and institutional funding professionals. This a two-course sequence with BUS 490.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS 385, BUS 403, BUS 335, BUS 390 and BUS 365; or instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop proposal for new business, utilizing concepts learned in the areas of marketing operations, entrepreneurship, finance, and accounting.
- Develop business plan for new venture.
- Formulate strategies to obtain funding for new venture.
- Construct an original pitch for presentation to business professionals and potential funders.
- Present business plan to business professionals and potential funders.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
- Apply economic and behavioral concepts to strategy formulation.
- Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.
- Assess the potential market for a product and then formulate a plan for developing and marketing the product.
- Formulate and communicate an original business plan to an audience of stakeholders.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BUS 490 - Venture Launch 2

Credits: 5

Students continue to work in teams to prototype, validate, and present proof of concept to a community of investors and funding sources. This is a two-course sequence with BUS 460.

Enrollment Requirement: Admission into the BAS in Marketing and Entrepreneurship program, BUS 395, BUS 300, BUS 401, BUS 310, BUS 344, BUS 402, BUS 350, BUS

385, BUS 403, BUS 335, BUS 390, BUS 365, BUS 360, BUS 460 and BUS 404; or instructor consent.

Course Fee: \$200.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a minimum viable product prototype.
- Employ a market research process to validate product concept.
- Modify business plan based on market research.
- Present business plan to business professionals and potential funders.

Program Outcomes

- Analyze and use business data to develop appropriate business and marketing strategies.
- Apply entrepreneurship principles to better leverage organizational resources.
- Apply economic and behavioral concepts to strategy formulation.
- Conduct a survey of the business environment, identify opportunities, and formulate a plan for capitalizing on them.
- Assess the potential market for a product and then formulate a plan for developing and marketing the product.
- Formulate and communicate an original business plan to an audience of stakeholders.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Business Technologies & Administrative Careers

BTAC 100 - Fundamentals of Computers

Credits: 5

Introduction of computers for home and business applications. Course content includes history, terminology, word processing, spreadsheets, databases, presentations, desktop

information management, and (OLE) Object Linking and Embedding. Covers an overview of the Internet. Also provides a foundation for all Business Division computer courses. A minimum typing speed of 20 wpm is recommended.

Enrollment Requirement: Eligible for ENGL 97; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the history of computers.
- Identify the components of a computer system and explain their use.
- Distinguish between software and hardware.
- Make an informed decision in selecting hardware and software.
- Identify ethical issues which involve computer usage.
- Produce printed documents using word processing software.
- Use spreadsheet software to construct simple worksheets and graphs.
- Set up a small database using data management software.
- Create a PowerPoint presentation.
- Integrate Microsoft Office 365 software applications.
- Access information from the Internet.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 101 - Beginning Keyboarding

Credits: 5

Uses keyboards to record words and data in the business office, as well as in personal

communication. Students learn to operate the alphabet, number, and symbol keys on a computer by touch. Emphasizes speed and accuracy skill development. Students apply these computer skills to formatting basic business documents using a current word processing program. For students with little or no prior keyboarding instruction.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Type the alphabet, number, and symbol keys using proper touch keyboarding technique.
- Use a computerized keyboarding program.
- Use a word processing program and formatting features to produce documents.
- Format and produce business letters.
- Format and produce standard memorandums.
- Format and produce academic reports with internal citations, quoted material reference listings, and title pages.
- Format tables with main/secondary/column headings with left/centered/right/decimal tab column formatting.
- Recognize and interpret proofreading marks while working from rough draft copy.
- Develop keyboarding speed and accuracy during 5-minute timings.
- Proofread and edit material accurately.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 102 - Intermediate Keyboarding

Credits: 5

Builds on the keyboarding skills and concepts developed in BTAC 101. Continues emphasis on speed and accuracy development on a computer keyboard. Students use a word processing program to refine formatting skills on basic business documents such as business letters, memorandums, reports, and tables.

Enrollment Requirement: BTAC 101 with a grade of 2.0 or higher or instructor consent.

Recommended: BTAC 112 and a minimum typing speed of 30 wpm.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Keyboard accurately using touch typing technique.
- Use a word processing program and its formatting features to produce documents.
- Prepare block and modified block business letters with special letter notations.
- Prepare interoffice memorandums, prepare and format tables using word processing table features.
- Prepare reports with title pages, table of contents, executive summaries, internal citation/footnotes/endnotes, reference listings, appendix pages.
- Prepare multi-page documents (letters, memos, reports).
- Prepare administration documents (agendas, minutes, itineraries, news release).

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 103 - Advanced Keyboarding

Credits: 5

Builds on the keyboarding skills and concepts developed in BTAC 102. Continues emphasis on speed and accuracy development on a computer keyboard. Students use a word processing program to further refine formatting skills on a computer. Students enhance their ability to make decisions and to work independently.

Enrollment Requirement: BTAC 102 and BTAC 112, all with a grade of 2.0 or higher or instructor consent. **Recommended:** A minimum typing speed of 30 wpm.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Type straight-copy more rapidly and accurately using touch typing techniques.

Type numbers more rapidly and accurately.
Develop keyboarding speed and accuracy during 5-minute timings.
Develop document production speed and accuracy.
Create documents using computer word processing program.
Make decisions about assignments when specific instructions are not given.
Integrate letter, report, form and table formatting.
Produce error-free documents using proper formats and decision-making skills.
Create a reference manual for a business office.
Apply formatting, communication, and problem-solving skills in various business environments.
Work as a team while completing a group project.

Program Outcomes

Implement calculator/computer technology to solve problems.
Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 104 - Computer Fundamentals: Internet

Credits: 2

Self-paced course covering the following concepts: the Internet, using Microsoft Internet Explorer to access the World Wide Web, and using the more popular search engines. Recommended for students who are self-motivated, computer-literate, and self-disciplined. Presented as an independent learning environment with no instructor present.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Define the Internet.
Describe hypermedia and browsers.
Explain a hypermedia link.
Start a Browser.
Describe Browser features.
Maneuver through the history list.
Create and remove favorites.

Save Web Pages on a storage device.
Print Web pages.
Save graphic images on a floppy disk.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 105 - Computer Fundamentals: Word

Credits: 2

Self-paced course covering the following concepts: Using Word to create documents, editing and proofing Word documents, and formatting Word documents. Recommended for students who are self-motivated, computer-literate, and self-disciplined. Presented as an independent learning environment with no instructor present.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create, save and edit documents using Microsoft Word.
- Copy and move text.
- Preview and print documents.
- Format documents.
- Create lists and tables.
- Insert and format graphics.

Program Outcomes

Implement calculator/computer technology to solve problems.
Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 106 - Computer Fundamentals: Excel

Credits: 2

Self-paced course covering the following concepts: Using Excel to create worksheets, modifying Excel worksheets, formatting Excel worksheets, and creating charts.

Recommended for students who are self-motivated, computer-literate, and self-disciplined. Presented as an independent learning environment with no instructor present.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create, save and edit spreadsheets using Microsoft Excel.

- Preview and print workbooks.

- Use Excel functions.

- Copy and move cell entries, including formulas and functions.

- Format labels and values.

- Edit worksheet attributes.

- Create a chart.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 107 - Typing Speed and Accuracy 1

Credits: 4

For students who know the keyboard and would like extensive speed and accuracy skill development. Emphasizes proper technique, rhythm development, straight-copy skill, and accuracy. Knowledge of keyboard and a minimum typing speed of 30 wpm. This is a pass/no credit course.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate improved typing technique.
- Demonstrate improved typing speed and accuracy.
- Diagnose errors.
- Develop a rhythmic typing skill.
- Increase speed a minimum of 10 words per minute.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 108 - Typing Speed and Accuracy 2

Credits: 4

For students who know the keyboard and would like intensive speed and accuracy skill development. Emphasizes proper technique, rhythm development, straight-copy skill, and accuracy improvement. This is a pass/no credit course.

Enrollment Requirement: BTAC 107.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate improved typing technique.
- Demonstrate improved typing speed and accuracy.
- Diagnose errors.
- Develop a rhythmic typing skill.
- Increase speed a minimum of 10 words per minute.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 109 - Legal Terminology

Credits: 3

Equips students for further legal studies such as legal transcription, legal office work, paralitigation, and/or court reporting technologies. Emphasizes Latin as a basis for many legal terms.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize and understand the meaning and usage of relevant legal terms through analysis of roots, prefixes, and suffixes of Latin derivation.
- Use correct legal terminology within the context of given legal scenarios.
- Read, pronounce, spell, and write legal terms correctly.
- Work cooperatively and effectively in group discussions.

Program Outcomes

- Acquire and apply a strong foundation in legal literacy for use in the workplace.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BTAC 110 - Business Math Applications

Credits: 5

Provides a thorough review of basic arithmetic fundamentals and their application to typical business problems. Teaches students to solve business problems using an electronic desktop calculator and a computer, and to operate a ten-key computer keypad by touch. Includes a unit in Excel.

Enrollment Requirement: Eligible for MATH 72.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Operate a ten-key keyboard on a desktop calculator and computer rapidly and accurately by "touch".
- Demonstrate a working knowledge of basic-arithmetic fundamentals in solving a wide variety of business problems.
- Use the special function keys found on most calculator/computer keyboards.
- Apply business math skills in an EXCEL unit.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BTAC 111 - Introduction to Computer Literacy

Credits: 5

Introduction to the personal computer in a small office/home setting. Includes terminology, file management, word processing, e-mail, the Internet, Green River's Learning Management System, and an introduction to information literacy. No previous computer experience required.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and utilize fundamentals aspects of the Microsoft Windows OS (Operating System) environment, hardware components, and file management.
- Identify and demonstrate major functions of the Green River College LMS (learning management system).
- Utilize campus and Outlook components including email, calendar, and tasks.
- Identify and apply appropriate basic Internet use.
- Research and demonstrate understanding of information literacy.
- Create, save and edit documents using Microsoft Word.

Program Outcomes

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BTAC 112 - Beginning Word

Credits: 5

Introduces the basic skills of Microsoft Word. Focuses on creating, saving, and printing a document; editing and managing documents; formatting characters and paragraphs; using spellchecker, autocorrect, thesaurus, word count and grammar tools; conducting find and replace; using autotext; manipulating tabs, merging documents, creating headers, footers, footnotes and end notes.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent. **Recommended:** A minimum typing speed of 30 wpm.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create, save and edit documents using Microsoft Word.
- Construct and format professional documents.
- Create lists and tables.
- Insert and format graphics.
- Create and apply mail merge features using multiple data sources.
- Create and modify references.
- Utilize file management.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 113 - Computer Fundamentals: Access

Credits: 2

Self-paced course covering the following concepts: Using Access to create databases, manipulating data in a database, creating forms, creating reports, and creating queries. Recommended for students who are self-motivated, computer-literate, and self-disciplined. Presented as an independent learning environment with no instructor present.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create, open and edit a database.
- Create and modify a table.
- Enter and edit records.
- Navigate within the database objects.
- Create a query, a form, and a report.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 114 - Microcomputer Fundamentals: PowerPoint

Credits: 2

Self-paced course covering the use of PowerPoint to create presentations.

Recommended for students who are self-motivated, computer-literate, and self-disciplined. Presented as an independent learning environment with no instructor present.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create, open and edit a presentation.
- Add and format slides.
- Work in different views.
- Apply slide show timings, animations and transitions.
- Print a presentation using various layouts.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 115 - Professional Image Building

Credits: 1

Students learn to project a professional and successful image in today's competitive workplace. Discusses business wardrobe, color analysis and design, hygiene (skin care and hairstyle), self-esteem, professional etiquette and the techniques for a successful interview. This is a pass/no credit course.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify guidelines for professional wardrobe.
- Project a professional image in a believable manner.
- Draw a conclusion on individual image and project it properly.
- Take his/her/their skills and abilities and learn how to successfully present them in a competitive job market.
- Develop positive self-esteem through positive imaging.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 117 - Exploring PowerPoint

Credits: 2

Students learn to create and deliver easy, effective, professional-looking presentations using Microsoft PowerPoint.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher, or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Prepare and modify a PowerPoint presentation.
- Format slides.
- Add visual appeal and animation.
- Add visual elements.
- Share and connect data.
- Link and embed objects and files.
- Share presentations.

Program Outcomes

Implement calculator/computer technology to solve problems.
Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 118 - Basics for Online Education

Credits: 5

Introduces students to online issues such as Internet access, file management, Word documents attachments, and effective email communication. This is a pass/no credit course.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Access the Internet.
- Use Word for creation of reports.
- Apply appropriate file management techniques.
- Search the Web for necessary information.
- Attach files to email messages.
- Communicate through email.
- Apply basic computer skills.
- Organize and following directions.
- Sequence work-time management.
- Apply problem solving skills.

Program Outcomes

Implement calculator/computer technology to solve problems.

Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 119 - MOS Core and Expert Certification Preparation

Credits: 7

Prepares users to take the Microsoft MOS core and expert certification tests in Microsoft Access, Excel, Word and PowerPoint. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Access, Excel, PowerPoint, and Word.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 125 - Medical Terminology for Office Administration

Credits: 5

Provide students in-depth coverage of the terminology and the medical language used in healthcare settings and used for medical documentation. Major topics include performing analysis of word parts such as roots, prefixes, suffixes and combining vowel as well as interpreting common abbreviations. Teaches students to accurately spell, pronounce and define common medical terms related to the major organ systems, disease processes, diagnostic and therapeutic procedures, laboratory tests and drugs. Not intended for students pursuing clinical degrees.

Enrollment Requirement: Eligible for READ 104, or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and define the four major word parts most frequently used with the major body systems and specialties.
- Assemble word parts into medical terms associated with each body system.
- Define the most common suffixes and prefixes used by the major body systems.
- Define the meaning of the major word roots used by the major body systems.
- Accurately spell and pronounce medical terms related to anatomy and anatomical positions.
- Accurately spell and pronounce medical terms related to diagnostic and therapeutic procedures.
- Accurately spell and pronounce medical terms related to radiology exams, laboratory tests and prescribed drugs.
- Define abbreviations related to anatomy, diagnoses and procedures. Define the major terms used for human body orientation, anatomic position and body planes.
- Define unfamiliar medical terms by analyzing the word parts and verifying the definition using a medical dictionary.
- Use the internet to locate information about specific medical conditions, procedures and research.
- Identify and define pathological conditions common to the body systems. Correctly label anatomical diagrams for the major body systems.

Program Outcomes

Accurately spell, pronounce and define common medical terms related to major disease processes, diagnostic procedures, laboratory tests, abbreviations, drugs, and treatment modalities.

Develop an understanding of the structure and function of the healthy human body, diseases and treatment modalities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BTAC 126 - Pharmaceutical Basics

Credits: 2

Provides an overview of pharmacological topics including the study of terminology, drug classifications, administration methods and usage. Emphasizes understanding of the action of drugs, including the absorption, distribution, metabolism and excretion of drugs from the body. Provides detailed description of chemical, generic, and brand names of drugs, as well as standards and references used in research for the preparation of medical report documentation.

Enrollment Requirement: Eligible for READ 104 or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify the various subspecialty areas of pharmacology.

Identify the various routes of drug administration.

Differentiate among the various classes of drugs and learn their actions and side effects.

Define medical terms using combining forms, prefixes, and suffixes that relate to pharmacology.
Apply your new knowledge to understanding medical terms in their proper contexts, such as medical reports and records.
Recognize drugs by chemical, generic, brand names.
Use references for researching medications.

Program Outcomes

Analyze and verify medical record and documentation accuracy and validity.
Identify and define medical disease, diagnosis, procedural terms and abbreviations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 127 - Overview of Human Diseases for Non-Clinicians

Credits: 3

Identifies the causes of disease and their impact on the human body. Identifies the common physiological effects of disease on body systems. Teaches the roles of multidisciplinary healthcare team in the diagnosis and treatment of disease. Covers the implications in prevention and treatment of disease. Course designed for non-clinicians.

Enrollment Requirement: Eligible for READ 104 or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe structural, functional, and normal variants in the body that may produce disease.
- Describe the common physiologic effects of disease on the body.
- Describe the diagnosis, effect, and treatment of fluid, electrolyte, and acid-base imbalances in the body.

Describe the clinical manifestations, diagnosis, long and short-term effects of different disease processes affecting specific body systems.

Describe the treatment, therapy, and restoration of different disease processes affecting specific systems.

Explain the roles of members of the healthcare team in the prevention, diagnosis, and treatment of specific disease conditions and processes.

Explain the implications in the prevention and treatment of specific disease conditions and processes.

Program Outcomes

Analyze and verify medical record and documentation accuracy and validity.

Identify and define medical disease, diagnosis, procedural terms and abbreviations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BTAC 130 - Business Correspondence

Credits: 5

Emphasizes techniques to develop and compose psychologically-sound business messages dealing with good news, bad news, and persuasive messages. Develops skills to write a clear and well-organized business report.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent. **Recommended:** BTAC 100 or computer application experience.

Course Outcomes:

Students who successfully complete this class will be able to:

Use appropriate words to write clear sentences and paragraphs, and to punctuate and spell according to correct English usage.

Apply the following principles for effective business message writing: you attitude, courtesy, positive language, coherence, emphasis techniques.
Produce structurally correct messages by using appropriate psychological concepts.
Develop an orderly and objective communication of factual information in a short report format.

Program Outcomes

Implement calculator/computer technology to solve problems.
Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BTAC 132 - Business Communication Applications

Credits: 5

Focuses on the use of the PowerPoint, Outlook and One Note applications. Includes basic and advanced concepts for each application and their usage in business.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and implement elements of Microsoft Office applications.
- Plan, create, and modify presentations.
- Construct and format professional email and scheduling components.
- Organize information using digital tools.

Integrate Microsoft Office applications.

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 133 - Prep Test 1-Microsoft Certification Access

Credits: 1

For users of Microsoft Access for Windows who are preparing to take the Microsoft MOS core certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Examine the testing format.

Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Access.

Program Outcomes

Implement calculator/computer technology to solve problems.

Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 134 - Prep Test 2-Microsoft Certification Access

Credits: 1

For users of Microsoft Access for Windows who are preparing to take the Microsoft MOS expert certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Access.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 135 - Prep Test 1-Microsoft Certification Excel

Credits: 1

For users of Microsoft Excel for Windows who are preparing to take the Microsoft MOS core certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Excel.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 136 - Prep Test 2-Microsoft Certification Excel

Credits: 1

For users of Microsoft Excel for Windows who are preparing to take the Microsoft MOS expert certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Excel.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 137 - Prep Tests - Microsoft Certification PowerPoint

Credits: 1

For users of Microsoft PowerPoint for Windows who are preparing to take the Microsoft MOS core and expert certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for PowerPoint.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 138 - Prep Test 1-Microsoft Certification Word

Credits: 1

For users of Microsoft Word who are preparing to take the Microsoft MOS core certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Word.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 139 - Prep Test 2-Microsoft Certification Word

Credits: 1

For users of Microsoft Word for Windows who are preparing to take the Microsoft MOS expert certification test. This is a pass/no credit course.

Recommended: A minimum typing speed of 30 wpm.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine the testing format.

- Review the concepts that are included in the Core and Expert Microsoft Office Specialist (MOS) certification exams for Word.

Program Outcomes

- Implement calculator/computer technology to solve problems.

- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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responsibilities which will enable them to work successfully individually and with others.

BTAC 140 - Records Management

Credits: 5

Introduces filing methods, related rules and applications for paper and electronic records management. Uses Microsoft Access extensively for lab applications. Students create appropriate electronic file structures for various record volumes. Covers filing equipment, supplies, microfilms, vital records plan, retention scheduling, and the records life cycle process.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent. **Recommended:** BTAC 185.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the terminology of the records management field.
- Organize records based on correct filing methods.
- Relate textbook theory to actual business practice.
- Develop an appreciation for the importance of records management.
- Demonstrate the use of computer applications for records management.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 142 - Health Information and Delivery Systems

Credits: 5

Introduces the organization, financing, regulatory and delivery structures of healthcare services, providers, payers, and agencies in the U.S. Focuses on the use of data structure, content and standards, data sets and retrieval. Explains the role of Information Technology in healthcare. Addresses current issues in healthcare and the roles and functions of various healthcare professionals.

Enrollment Requirement: Eligible for ENGL 97 or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and distinguish between the different types of healthcare delivery systems responsible for providing healthcare.

- Identify the different types of healthcare providers, disciplines, common departments and general structure found within healthcare organizations. HIM.

- Describe the structure and use of health information and the importance of health record documentation.

- Explain medical providers' duties and responsibilities in record keeping and general patient care.

- Explain the components of an electronic health record (EHR) and documentation requirements for all health records.

- Apply statutes and regulations governing retention of health records and health information.

- Describe manual and automated filing systems for health information.

- Explain the basic computer concepts, electronic communication and internet technologies used with healthcare documentation.

- Differentiate between impersonal and personal use of health information.

- Describe the importance of the Code of Ethics of the American Health Information Management Association (AHIMA).

- Explain the fundamental need of Informational Technology (IT) specialty products used in healthcare settings.

- Define the types of coding classification systems, healthcare data sources and data sets used in healthcare.

- Define and differentiate between the different health record data collection tools.

 - Define data retrieval, maintenance, quality, integrity, security processes and monitoring.

 - Define document archival, retrieval, and imaging systems.

- Identify and describe the regulators of healthcare, including government and non-government entities and outline the role of the federal, state, and local governments in the provision of healthcare.

 - Identify current legislation and standards which impact access, privacy, confidentiality, and security of patient information.

Define key legal concepts related to healthcare including the impact of ethics, morals, fraud and abuse in a healthcare setting.

Apply legal principles, policies, regulations, and standards for the control and use of health information.

Describe procedures for handling patient requests for access to health information and policies and statutes governing the release of confidential health information.

Describe the information protected by the HIPM Privacy Rule.

Explain the legal concerns that arise from the electronic health record (EHR).

Program Outcomes

Define key legal concepts related to healthcare including the impact of ethics, morals, fraud and abuse in a healthcare setting.

Apply legal principles, policies, regulations, and standards for the control and use of health information.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BTAC 145 - Introduction to ICD Coding

Credits: 5

Introduces the International Classification of Diagnosis code (ICD) diagnostic coding, the numeric classification of disease and injury, coding methodology, and guidelines.

Demonstrates the importance of accuracy and specificity in code selection acquaints students with the different forms of medical data and lays the foundation for advanced coding and medical record analysis. Students code from both reference books and the utilization of an online based encoder. Teaches students to assign valid diagnostic codes using authentic source documents. Provides an overview of Diagnostic Groupings (DRG's) and other clinical vocabularies such as the Systematized Nomenclature of Medicine-Clinical Terms,(SNOMED-CT).

Enrollment Requirement: AP 100 and BTAC 125 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the purpose and historical development of the International Classification of Diseases (ICD).

- Explain the concepts of patient privacy and confidentiality as they relate to diagnostic code assignment.

- Describe the standards and impact of ethical coding.

- Describe the organization and format of the ICD code reference tools.

- Define and use ICD coding conventions including instructional terms and notations.

- Describe the structure and content of the Alphabetic Index and the Tabular List.

- Interpret the conventions that are followed in the Alphabetic Index and the Tabular List.

- List the steps in the diagnostic coding process.

- Locate appropriate diagnostic codes using the ICD Alphabetical Index and the Tabular List.

- Assign and appropriately sequence ICD codes for diagnostic conditions.

- Identify and use references important to accurate ICD diagnostic code assignment.

- Analyze medical record information, apply appropriate coding guidelines, and assign correct ICD codes.

- Explain the use of diagnostic groupings (DRG's), taxonomies, nomenclatures and clinical vocabularies such as SNOMED-CT.

- Define the use of specialist classification systems such as the Diagnostic and Statistical Manual of Mental Disorders (DSM) and the International Classification of Diseases for Oncology (ICD-O.).

Program Outcomes

Abstract diagnostic terminology and accurately assign ICD-10 codes from medical records according to the ICD-10 Official Guidelines.

College-wide Outcomes

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Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BTAC 146 - Introduction to CPT Coding

Credits: 5

Introduces coding in ambulatory settings using Current Procedural Terminology (CPT), Health Care Common Procedure Coding System (HCPCS) Level 2 and ICD Procedures (ICD-9 Volume III and ICD-10-PCS). General content includes coding guidelines, and the role in healthcare reimbursement. Covers coding of basic medical and surgical services including use of modifiers, as well as ethical coding and compliance issues.

Enrollment Requirement: BTAC 145 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the use and purpose of Current Procedural Terminology (CPT) coding.
- Describe the importance of CPT coding to healthcare reimbursement.
- Explain the relationship between CPT, Healthcare Common Procedure Coding System (HCPCS) and ICD Procedures (ICD-9 Volume III and ICD-10-PCS).
- Interpret the formats, citations, conventions, and symbols used in CPT.
- Describe the organization and content of the CPT manual.
- Define key terms used in the CPT coding system. Locate procedural terms in the CPT index.
- List steps in assigning a CPT code. Describe the purpose and correct use of modifiers.
- Discuss the purpose, structure, and key guidelines associated with each of the sections of CPT codes.
- Describe the purpose and correct use of HCPCS codes and modifiers.
- Read and interpret source documents to identify all services and procedures to be coded. Identify and explain the factors of Evaluation and Management (E/M) code assignment.
- Explain the levels of E/M service.
- Analyze medical record information, apply appropriate coding guidelines, and assign correct CPT and HCPCS codes.
- Describe legislative regulations that impact CPT coding.
- Discuss the use of other procedural groupings such as; Ambulatory Payment Classifications (APC) and Resource Utilization Groups (RUG's).

Program Outcomes

Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.

College-wide Outcomes

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Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BTAC 147 - Beginning Keyboarding-Alphabet Keys

Credits: 1

Introduces alphabetic keyboard including correct finger placement and reaches. Enables students to develop touch-keyboarding skills in a minimal amount of time.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Key the alphabet by touch using correct technique.

Use a computerized keyboarding program.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 148 - Keyboarding-Mastering 10-Key and Symbols

Credits: 1

Focuses on the 10-key pad and symbols for developing efficient data-entry skills.

Enables students to master the 10-key pad and symbols by touch.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop 10-key skills using the proper touch-typing technique.

- Develop keyboarding symbols skills using the proper touch-typing technique.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 149 - Keyboarding-Speed and Accuracy-Skill Building

Credits: 1

Enables students to develop skills to improve typing speed and accuracy. Reinforces touch-typing technique.

Recommended: Keyboarding skills.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop correct touch keyboarding technique.

- Increase keyboarding speed at a minimum of 10%.

- Improve accuracy by obtaining a minimum error reduction of 10%.

- Demonstrate accurate proofreading.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

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responsibilities which will enable them to work successfully individually and with others.

BTAC 150 - Introduction to Windows

Credits: 5

Introduces Microsoft Windows graphical user interface, the preparation of text and graphics documents, and the management of windows on the desktop. Includes the customization of the Windows desktop, techniques for working with files, folders and documents, and communication with other computers through the Internet.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and demonstrate use of Windows desktop.
- Locate information using Windows Help and Support.
- Manage files and folders using File Explorer.
- Modify the desktop environment.
- Customize the computer using the control panel.
- Demonstrate the ability to use Windows applications effectively.
- Monitor the performance of the computer and maintain the computer using System Tools.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

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BTAC 151 - Word: Create, Edit and Format Documents

Credits: 1

Focuses on Microsoft Word basics such as document formatting, document organization, text and paragraph formatting, styles.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate Word basics.
- Create, save and edit documents using Microsoft Word.
- Edit and format font, paragraph, and document levels.
- Preview and print documents.
- Insert and format headers and footers.
- Insert and apply section formatting.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 152 - Word: Tables and Sharing Documents

Credits: 1

Focuses on inserting a table, formatting a table, applying formulas to table data, inserting graphics, as well as working with document collaboration, merging documents, and using reference resources.

Recommended: BTAC 151 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Insert and format tables.
- Sort and apply formulas to table data.
- Convert text to a table.
- Insert and format graphic elements.
- Use reviewing tools.
- Create and modify references.
- Modify document properties.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 153 - Word: Mail Merge and Other Productivity Tools

Credits: 1

Focuses on using templates to design documents and apply and customize themes. Teaches mail merge concepts such as label and letter creation using a database or spreadsheet data source.

Recommended: BTAC 151 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use and create templates.
- Customize theme colors, fonts, and effects.
- Create and apply mail merge features using multiple data sources.

Program Outcomes

Implement calculator/computer technology to solve problems.
Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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BTAC 154 - Word: Create a Newsletter

Credits: 1

Teaches use of Microsoft Word to design and create a newsletter, as well as working with objects and using object linking and embedding.

Recommended: BTAC 151 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Construct a newsletter.
- Develop a document design.
- Insert and format graphical objects.
- Update a linked object.

Program Outcomes

Implement calculator/computer technology to solve problems.
Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

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BTAC 155 - Word: Creating Forms, Macros and Document Security

Credits: 1

Introduces creating an electronic form from a Microsoft Word template, protecting the form, and using authentication. Focuses on recording and editing macros.

Recommended: BTAC 151 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create a digital form.
- Insert and format controls.
- Set formatting restrictions and protections.
- Use digital signatures to authenticate documents.
- Record, edit and run macros.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

BTAC 162 - Introduction to Excel

Credits: 5

Introduces the basic skills for developing spreadsheets in Microsoft Excel. Students prepare and format worksheets and maintain and enhance workbooks.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and manage components of the Excel screen.
- Prepare and format a worksheet.
- Insert formulas and functions.
- Move data within and between worksheets and workbooks.
- Create and modify tables, charts, and lists.
- Enhance the display and printed formats of worksheets and workbooks.
- Utilize file management skills.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BTAC 163 - Advanced Excel

Credits: 5

Focuses on advanced formatting and functions, creating and modifying templates and workbooks, using analysis tools, managing and auditing worksheets and workbooks, collaborating with workbooks, and using data from external sources.

Enrollment Requirement: BTAC 162 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Format worksheets using advanced formatting techniques, work with templates and workbooks.
- Use advanced functions.
- Use analysis tools.
- Manage and audit worksheets.
- Collaborate with workbooks.
- Use data from the internet and other sources.
- Utilize file management skills.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 164 - Access: Create and Modify a Database

Credits: 1

Focuses on Access objects and understanding the elements of database relationships. Also looks at table design with multiple tables.

Recommended: Basic knowledge of computer and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design and create a database, including tables and queries.
- Navigate among the objects in an Access database.
- Sort and filter data within tables and queries.
- Establish Relationships within the database.
- Share data with Excel.
- Back up, compact and repair Access files.
- Utilize file management skills.

Program Outcomes

- Implement calculator/computer technology to solve problems.
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BTAC 165 - Access: Use Queries to Produce Information

Credits: 1

Introduces users to queries using Microsoft's Access database application. Uses queries to retrieve data and extract records meeting criteria stored within the tables of a database. Students customize, analyze, and summarize query data to make decisions.

Recommended: Basic knowledge of computer, keyboarding, and Access skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create a calculated field in a query.
- Create expressions with the Expression Builder.
- Demonstrate the order of precedence.
- Create and edit Access functions.
- Perform date arithmetic.
- Create and work with data aggregates.

Program Outcomes

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BTAC 166 - Access: Create and Modify Forms

Credits: 1

Introduces data protection to ensure data integrity, validation and reliability. Also introduces students to forms using Microsoft Access database application. Viewing the data through a form allows the user to see one record at a time, rather than many records as would be the case in the datasheet view.

Recommended: Basic knowledge of computer, keyboarding and Access skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Establish data validity.
- Create and modify a lookup field.
- Create and modify a multivalued lookup field.
- Work with input masks.
- Create forms by using the Form Tool.
- Create custom forms in Design view.
- Create subforms.
- Design functional formats.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 167 - Access: Create and Modify Reports

Credits: 1

Introduces the user to reports using Microsoft Access database application. Reports are database objects used to sort, summarize, and output useful information. Emphasizes planning out the report in order to create professional and useful reports. Covers performing calculations in a report.

Recommended: Basic knowledge of computer, keyboarding, and Access skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Plan a report.

Use different report views.
Create and edit a report.
Identify report elements, sections, and controls.
Add grouping levels in Layout view.
Add fields to a report.
Use the Report Wizard.

Program Outcomes

Implement calculator/computer technology to solve problems.
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BTAC 175 - Instructor Assistant

Credits: 1-5

Students assist the instructor including working with students individually in Business Technologies and Administrative Careers classes, answering questions, doing tutorial work, and checking papers.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Assist the instructor and work individually with students, doing tutorial-type work and checking papers.
Apply subject-matter knowledge being covered.
Demonstrate and reinforce interpersonal skills.

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 177 - BTAC Work Experience 1

Credits: 1-12

Allows student to gain experience in full- or part-time employment directly related to their program of study. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and become acquainted with people in professional settings.
- Demonstrate workplace skills appropriately with others in their degree field.
- Recognize and adapt to specific aspects of a career.
- Improve previously acquired skills.

Program Outcomes

- Implement calculator/computer technology to solve problems.
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College-wide Outcomes

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BTAC 178 - BTAC Work Experience 2

Credits: 1-12

Allows student to gain experience in full- or part-time employment directly related to their program of study. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and become acquainted with people in professional settings.
- Demonstrate workplace skills appropriately with others in their degree field.
- Recognize and adapt to specific aspects of a career.
- Improve previously acquired skills.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 179 - BTAC Work Experience 3

Credits: 1-12

Allows student to gain experience in full- or part-time employment directly related to their program of study. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and become acquainted with people in professional settings.
- Demonstrate workplace skills appropriately with others in their degree field.
- Recognize and adapt to specific aspects of a career.

Improve previously acquired skills.

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 180 - Medical Coding Professional Practice Experience

Credits: 5

Provides students virtual professional practice experience with ICD-10, HCPCS and CPT clinical code assignment. Students complete in-class or online virtual based coding using authentic medical reports for a variety of patient types and encounters including healthcare facilities, physician practices, specialty clinics and other healthcare settings. Students will utilize classification systems text and online tools such as encoders and will demonstrate full understanding and compliance with official classification system guidelines.

Enrollment Requirement: BTAC 257 and BTAC 258 with grades of 2.0 or higher or concurrent enrollment; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

Code and audit ICD-10, CPT and HCPCS Level II authentic coding cases with a high degree of accuracy.

Utilize online encoder software to locate and validate codes, and review guidelines and edits.

Describe the role of coders in a variety of healthcare settings including hospitals, physician's offices, clinics or other appropriate sites.

Explain the necessary qualifications to become a professional medical coder including certification and continuing education requirements.

Program Outcomes

Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.

Utilize a computerized encoder to determine procedure values based on RBRVS (resource based relative value scale), coding guidelines based on LCD (local coverage determination), NCD (national coverage determination) and CCI (correct coding initiative) edits.

Complete all general medical practice management software tasks such as registering and scheduling patients, searching and reviewing medical records online, entering codes, payment and other electronic health record (EHR) tasks.

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BTAC 184 - Internet and Basic Web Design

Credits: 5

Students apply the necessary online skills to be successful using the Internet. Topics include understanding and using the Internet, web, FTP, E-mail, HTML, web graphics, browsers, browser plug-ins, relative/absolute addressing, and other related aspects. Students produce a web site using a variety of available technologies.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent. **Recommended:** BTAC 150.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss and describe the history of the internet, World Wide Web.
- Discuss and test other Internet applications.
- Recognize and apply HTML tags.
- Develop a homepage.
- Develop .jpg and .gif images using a paint/graphics program.
- Demonstrate the use of .jpg and .gif image files in a web page.

Program Outcomes

- Implement calculator/computer technology to solve problems.
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BTAC 185 - Introduction to Microsoft Access

Credits: 5

Provides students with introductory Microsoft Access database training, specifically storage of data in a logical manner for later retrieval and use in the business environment.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

Design and create a database.
Add and delete records.
Edit and restructure database.
Create basic input screens.
Create basic reports.
Filter and sort records.
Perform basic queries.
Group data logically.
Customize forms.
Format and personalize reports.

Program Outcomes

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BTAC 186 - Advanced Microsoft Access

Credits: 5

Focuses on advanced multi-table database design and techniques using Microsoft Access.

Enrollment Requirement: BTAC 185.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Design and modify multi-table databases.
Import and attach foreign tables.
Design multi-table queries.
Design action queries using visual basic and SQL.
Design single-and multi-table forms.
Design single-and multi-table reports.
Create macros.

Program Outcomes

Implement calculator/computer technology to solve problems.
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BTAC 187 - PowerPoint: Preparing a Presentation

Credits: 1

Focuses on Microsoft PowerPoint basics such as storyboard creation and presentation, managing files, and editing and enhancing the contents, applying and modifying the design, running a slide show, inserting and modifying text and images, and using the drawing tools.

Recommended: Keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:
Identify and implement PowerPoint elements.

Create, open and edit a presentation.
Add and format slides.
Work in different views.
Apply slide show timings, animations and transitions.
Print a presentation using various layouts.

Program Outcomes

Implement calculator/computer technology to solve problems.
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BTAC 188 - PowerPoint: Design with Graphics and Multimedia

Credits: 1

Focuses on creating diagrams for processes and relationships; creating a photo album; inserting movies and sound; creating tables and charts.

Recommended: BTAC 187 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Create, insert and format shapes, SmartArt, and WordArt.
Apply Quick Styles and customize shapes.
Insert and modify images and video clips.
Record and play narration.
Create and format tables and charts.
Import and link information between applications.

Program Outcomes

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BTAC 189 - PowerPoint: Customize and Incorporate Web Features

Credits: 1

Focuses on developing and organizing content, working with color; customizing design templates; running custom slide shows; preparing presentations for web delivery.

Recommended: BTAC 187 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create and modify master presentation.

- Create and customize presentation elements, including animation, slide shows, and templates.

- Insert and edit links.

- Add action buttons.

- Save, preview, and publish a presentation as Web page.

Program Outcomes

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BTAC 191 - Excel: Introduction to Formulas and Functions

Credits: 1

Focuses on Excel basics such as creating, modifying, and improving the appearance of a worksheet, as well as entering formulas and functions to help analyze data.

Recommended: Keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify Excel window components.

- Enter, edit and format data.

- Insert and delete cells, rows, columns and worksheets.

- Use cell ranges to move, copy, paste, paste special, and AutoFill.

- Manage and format worksheets.

- Create and copy formulas applying correct order of precedence and cell referencing.

- Distinguish and apply basic functions.

Program Outcomes

- Implement calculator/computer technology to solve problems.

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BTAC 192 - Excel: Charts and Working with Large Worksheets

Credits: 1

Focuses on using Excel's charting feature and working with large worksheets.

Recommended: BTAC 191 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create, modify and enhance charts.
- Freeze rows and columns.
- Hide and unhide rows, columns, and worksheets.
- Protect a cell, a worksheet, and a workbook.
- Modify settings and options for printing worksheets.
- Apply basic table management and formatting.
- Sort, filter and total data.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

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BTAC 193 - Excel as a Database

Credits: 1

Covers Excel's database functions, pivot tables, conditional functions, and amortization table.

Recommended: BTAC 191 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design and create tables based on data table theory.
- Import data from text files and other sources.
- Apply advanced formatting, filtering and sorting.
- Create and use range names.
- Use advanced functions.
- Create, format and apply PivotTables and PivotCharts.

Program Outcomes

- Implement calculator/computer technology to solve problems.
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BTAC 194 - Excel: Data Consolidation and What-If Analysis

Credits: 1

Focuses on data consolidations, links, and formula auditing. Covers use of spreadsheets for decision making with "what-if" analysis.

Recommended: BTAC 191 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Consolidate and use data from multiple worksheets.
- Create and apply validation rules.
- Audit formulas.
- Set up a Watch Window.
- Create one-variable and two-variable data tables.
- Use What-if Analysis tools.

Program Outcomes

- Implement calculator/computer technology to solve problems.
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BTAC 195 - Excel: Collaboration, the Web, and Macros

Credits: 1

Focuses on sharing and distributing Excel data, as well as working with Excel options. Students work with Excel templates and automate tasks with macros, and the use of Internet technology to display Excel data on web pages.

Recommended: BTAC 191 and keyboarding skills.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Collaborate by comparing spreadsheets using tracking tools.
- Save workbooks in different formats.
- Review and modify Excel options.

Customize the ribbons and toolbars.
Activate and utilize add-ins.
Create, modify and use templates, themes, and styles.
Create, modify and use macros using VBA.

Program Outcomes

Implement calculator/computer technology to solve problems.
Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 214 - Introduction to Information Security

Credits: 5

Introduces the multi-faceted aspects of information security: facility and hardware security, data security, human security, organizational security, network security, and Internet security. Discusses the legal and ethical issues concerning information security. Focuses on information security for business and personal use but does not deal with specific technical security equipment.

Enrollment Requirement: BTAC 100 with a grade of 2.0 or higher; or instructor consent. **Recommended:** BTAC 150 or IT 101.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss the history of computer security and how it evolved into information security.
Identify the key terms and critical concepts of information security.
Discuss the threats posed to information security and the more common attacks associated with those threats.
Identify major national laws that relate to the practice of information security.

Define risk management and identify management's role.
Identify the business continuity plan and the disaster recovery plan and their parts.

Program Outcomes

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 216 - Computer Support Internship I

Credits: 2-5

Students assist Business Technologies and Administrative Careers (BTAC) instructors with computer applications and basic hardware functions.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Monitor and supply all printers.
- Troubleshoot and report hardware and software issues.
- Assist students with hardware and software concepts.
- Clean and maintain computer hardware.
- Explain and assist students with network login procedures.
- Assist instructors during class time.

Program Outcomes

Implement calculator/computer technology to solve problems.
Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 217 - Computer Support Internship 2

Credits: 2-5

Students assist Business Technologies and Administrative Careers (BTAC) instructors with computer applications and basic hardware functions.

Enrollment Requirement: BTAC 216 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Assist students with hardware and software concepts.
- Troubleshoot and report hardware and software issues.
- Assist instructors during class time.
- Monitor and supply all printers.
- Train novice lab assistants.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BTAC 220 - Technology in the Legal Office

Credits: 5

Provides a study of the impact and use of technology in the legal office. Topics include ethical issues in using technology in a legal office; legal use of hardware and software; use of the Internet, cloud computing, and computer applications by legal assistants and the court system.

Enrollment Requirement: BTAC 100, BTAC 103 and BTAC 109, all with a grade of 2.0 or higher; Eligible for ENGL 99; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the technology used in the legal office and possible related ethical issues.

Describe how the Internet and cloud computing are utilized in the legal process.

Apply word processing, spreadsheet, database and presentation concepts in the legal office.

Explain the significance and use of case management programs.

Identify the responsibilities and possible issues in the archival process within the legal office.

Describe the process of electronic discovery and related issues in that discovery.

Program Outcomes

Implement calculator/computer technology to solve problems.

Successfully integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 235 - Legal Office Procedures

Credits: 5

Provides a study of activities most often performed by a legal assistant. Topics include legal office environment, communication services and management, legal code of ethics, scheduling/docketing techniques, messenger services, Washington's legal court system structure, legal billing procedures, wills/probate procedures, job search and informational interview, preparation of job-ready resume/portfolio, leadership, and human relations.

Enrollment Requirement: BTAC 100, BTAC 102, and BTAC 109, all with a grade of 2.0 or higher. **Recommended:** BTAC 220 or concurrent enrollment.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Differentiate types of law practices and positions within a law office.
- Demonstrate the Code of Ethics practiced in the legal environment.
- Execute proper phone techniques and message taking for the legal office.
- Implement proper procedures for legal file management.
- Identify and apply procedures for appointment scheduling, docketing, and billing.
- Examine and apply the Washington state legal research techniques and resources.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 245 - Medical Office Procedures

Credits: 5

Provides a study of activities most often performed by medical administrative staff. Topics include medical office environment, communication services and responsibilities, medical records and file management, medical code of ethics, scheduling techniques and computerized patient scheduling/billing software, medical billing procedures, job search and informational interview, preparation of job-ready resume/portfolio and cover letter.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify personal qualifications and attributes needed as an administrative medical assistant.
- Identify types of medical facilities and positions within a medical office.
- Demonstrate the Code of Ethics practiced in the medical environment.
- Identify and demonstrate appropriate patient-centered customer service.
- Practice dealing with angry or difficult patients using sample scenarios and situations in both discussion and active participation activities.
- Explain techniques and tools for de-escalation and creating positive patient experiences.
- Identify and demonstrate proper phone techniques and message taking for the medical office.
- Identify procedures for creating new patient files; paper and electronic Identify medical file management techniques.
- Conduct an on-site informational interview at a medical site.
- Prepare a job-ready professional resume for a medical related position.
- Apply scheduling and billing techniques using an integrated computerized program.
- Practice registration, scheduling, EHR navigation and billing functions in an online practice management system.
- Explain the function of general bookkeeping in the medical office including the collection of fees, co-insurance, co-pays and deductibles.

Program Outcomes

Complete all general medical practice management software tasks such as registering and scheduling patients, searching and reviewing medical records online, entering codes, payment and other electronic health record (EHR) tasks.

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BTAC 248 - Healthcare Reimbursement Methodology

Credits: 5

Provides an in-depth overview of reimbursement methods and procedures used in the United States including many location-based health insurance prospective payments systems (HIPPS). Study of the entire claims process from patient visit, procedure and diagnostic coding to payment using a variety of billing methods: Centers for Medicare and Medicaid Services forms (CMS), uniform billing (UB) forms and electronic claims submission. Students learn to define billing processes for commercial, federal and managed care insurance plans. Covers the importance of coded data, compliance, health information and charge master maintenance including an overview of fee schedules.

Enrollment Requirement: Eligible for ENGL 97 or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the use and impact of coded data and health information on claim reimbursement.
- Identify the payment system appropriate to all healthcare setting; clinical, inpatient and outpatient.
- Compare and contrast the managed and non-managed care reimbursement models including the use of capitation.
- Research the most current forms of health insurance prospective payment systems (HIPPS) used for correct reimbursement for all healthcare settings; inpatient prospective payment systems (IPPS), outpatient prospective payment systems (OPPS), ambulatory payment classification system (APC's) and more.
- Compare and contrast the CMS-1500 form to the UB-92 form.
- Execute general guidelines for completing both UB-92 and CMS-1500 forms for federal, state and private payer insurance contracts.
- Define clinical and facility charge masters.
- Explain the importance of maintaining charge masters routinely and understand the impact to an organization if routine maintenance is not performed.
- Apply appropriate reimbursement compliance standards to all billing and coding scenarios.
- Define the use of relative values units (RVU's) and the Resource Based Relative Value Scale (RBRVS) in determining fee schedules, predicting compensation and planning budgets.
- Describe legal and ethical issues specific to the medical billing function.
- Describe the impact of the federal government Health Insurance Portability and Accountability Act (HIPAA) on medical billing.
- Describe basic healthcare policy provisions and contracts.
- Explain the basic steps for verifying eligibility and processing medical claims, including submitting claims via electronic data interchange (EDI), reading

remittance advices (RA's) and using advance beneficiary notices (ABN's) when appropriate.

Handle insurance claims in the physician's office to obtain payment and minimize claim rejection by insurance carriers.

Program Outcomes

Identify the different types of healthcare providers, disciplines, common departments and general structure found within healthcare organizations.

Apply legal principles, policies, regulations, and standards for the control and use of health information.

Perform mathematical calculations needed to process a claim, determine allowed amounts, deductibles and co-payments, process cash, check and electronic payments, and balance monthly and yearly financial records.

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BTAC 250 - Office Relations and Procedures

Credits: 5

Provides instruction and activities directed toward technology, communication, and human relations skills of the administrative support professional. Topics include organizational structures, virtual offices, teamwork, anger, stress and time management; ethics, diversity, and sexual harassment; communication essentials, customer service, postal services, telecommunications, meetings and travel, job search, and leadership elements.

Enrollment Requirement: BTAC 100 and BTAC 130, both with a grade of 2.0 or higher; and eligible for ENGL& 101; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop skills and knowledge regarding effective interpersonal relationships and team building.
- Identify and explore socio-cultural differences and ethical and diversity issues related to the workplace.
- Develop and analyze human relations skills including conflict resolution and stress management.
- Distinguish and develop effective workplace communication and behaviors.
- Identify organizational structures and roles of the administrative support professional.
- Examine workplace scenarios and apply appropriate workplace procedures.

Program Outcomes

- Implement calculator/computer technology to solve problems.
- Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 255 - Advanced Word

Credits: 5

Focuses on using bookmarks and hyphenation; creating annotations and macros; adding borders, frames, and pictures; using WordArt, and Equation Editor; creating tables and charts; formatting text into columns; sorting text; formatting with styles; creating outlines, fill-in forms, tables of contents and indexes.

Enrollment Requirement: BTAC 112 with a grade of 2.0 or higher; or instructor consent. **Recommended:** A typing speed of 30 wpm.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Construct and format professional documents using advanced Word techniques.
- Insert and format graphics.
- Create, customize, and apply macros.
- Create and customize tables, charts, styles, equations, templates, and forms.
- Create, modify, and apply references.
- Utilize file management skills.

Program Outcomes

- Implement calculator/computer technology to solve problems.
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BTAC 257 - Intermediate ICD Coding

Credits: 5

Focuses on intermediate coding using the International Classification of Diseases (ICD) diagnostic classification coding system. Students assign accurate codes to complex authentic case studies, applying compliance strategies, performing auditing procedures and maintaining quality monitor reports. Teaches students to abstract and assign valid diagnostic codes and verify code selection using real-life challenging coding cases.

Enrollment Requirement: BTAC 145 and BTAC 146 with a grade of 2.0 or higher; or concurrent enrollment in BTAC 146; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Build and improve upon previously learned ICD knowledge including the application of ICD guidelines for all forms of diagnostic and therapeutic medical reports.
- Abstract diagnostic terminology from intermediate coding cases.
- Assign and appropriately sequence ICD codes accurately to abstracted terminology, ensuring compliance and accuracy.
- Compare and contrast ICD-9-CM and ICD-10-CM code assignments and conventions.
- Utilize coding crosswalks and maps used in the clinical coding process.
- Apply Prospective Payment Systems (PPS) examples including Diagnostic Related Group (DRG's), Resource Utilization Groups (RUG'S) and Home Health Resource Groups (HHRG's).
- Define the concept of case mix analysis for a given patient population using the average diagnosis-related group weight.
- Describe the standards and impact of ethical coding using advanced coding cases and applying Correct Coding Initiative (CCI) edits.
- Explain the role of the Systematized Nomenclature of Medicine-Clinical Terms (SNOMED-CT) in the healthcare delivery systems as the basis for an electronic health record (EHR).
- Outline the relationship of SNOMED-CT to administrative code sets used for billing and statistics.

Program Outcomes

- Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.
- Utilize a computerized encoder to determine procedure values based on RBRVS (resource based relative value scale), coding guidelines based on LCD (local coverage determination), NCD (national coverage determination) and CCI (correct coding initiative) edits.

College-wide Outcomes

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BTAC 258 - Intermediate CPT/HCPCS Coding

Credits: 5

Focuses on intermediate coding using Current Procedural Terminology (CPT), Healthcare Common Procedural Coding System (HCPCS) and International Classification of Diseases (ICD) procedural classification coding systems to assign accurate codes to complex authentic case studies. Teaches students to abstract and assign valid procedural codes and verify code selection using real-life challenging coding cases to a variety of procedural groupings including Ambulatory Payment Classifications (APC) and Resource Utilization Groups (RUG).

Enrollment Requirement: BTAC 145 and BTAC 146 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define and apply the guidelines for procedure classification systems; Current Procedural Coding (CPT), Healthcare Common Procedural Coding System (HCPCS) Level II and International Classification of Diseases (ICD-9-CM Volume III and ICD-10-PCS).
- Read and interpret complex authentic source documents to abstract and identify all services and procedures to be coded.
- Accurately assign service and procedure codes utilizing classification systems studied to intermediate coding case studies.
- Accurately assign both CPT and HCPCS modifiers to intermediate coding case studies.
- Define the use of Relative Value Units (RVU's) and Resource Based Relative Value Scales (RBRVS) to assign payment value to procedures.
- Create a detailed and accurate evaluation and management (E/M) audit tool for the three key components: History, Exam and Medical Decision Making.
- Demonstrate use of the E/M audit tool as an educational resource for medical coders and providers. Apply codes to professional fee billing examples for Ambulatory Payment Classification (APC's), Ambulatory Surgery Centers (ACS's), Resource Utilization Group (RUG) and other common payment systems.

Program Outcomes

Abstract diagnostic and procedural terminology to accurately assign ICD-10-CM, CPT-4 and HCPCS level II codes.

Utilize a computerized encoder to determine procedure values based on RBRVS (resource based relative value scale), coding guidelines based on LCD (local coverage determination), NCD (national coverage determination) and CCI (correct coding initiative) edits.

College-wide Outcomes

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BTAC 266 - Inside Microsoft Office

Credits: 5

Focuses on the use of advanced Microsoft Office applications including object linking and embedding (OLE) and the integration of applications. Enhances prior application skills. These skills culminate in a professional PowerPoint group presentation that also may incorporate Word, Excel, and Access concepts.

Enrollment Requirement: BTAC 112 and BTAC 162; or instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain advanced skills and demonstrate confidence in using and supporting state of the art software used in business and industry.
- Integrate applications within the Microsoft Office Suite.
- Implement effective team building.
- Develop written and oral communication skills.
- Solve a variety of personal computer-related application problems.

Program Outcomes

- Implement calculator/computer technology to solve problems.

Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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BTAC 297 - Independent Study - BTAC

Credits: 1-5

Includes special courses and topics designed for students such as individual learning in the Business Technologies and Administrative Careers programs. Students may register for a contracted learning experience by obtaining permission from a Business Technologies and Administrative Careers (BTAC) faculty advisor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Outcomes will be established by the student and faculty supervisor. Will vary based on topic.

Program Outcomes

Implement calculator/computer technology to solve problems.

Integrate Microsoft Office software applications to present information in a meaningful manner.

College-wide Outcomes

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Cardiac Monitor

CARDIO 102 - Cardiac Rhythm Recognition and Interpretation

Credits: 5

Covers advanced anatomy and physiology of the cardiovascular system and the role of the Cardiac Monitor/Electrocardiography (EKG) Technician in the patient setting. Includes overview of normal and abnormal rhythms of the heart with an emphasis on interpretation of electrocardiography in a dynamic healthcare environment and recognition of cardiac rhythms that require immediate intervention.

Enrollment Requirement: Instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the role and reporting structure of the Monitor Technician in the clinical environment.
- Describe the principles of electronic monitoring in the clinical environment and explain the purpose of monitoring on an ongoing basis.
- Monitor and interpret heart rate and rhythm in standard EKGs and telemetry monitoring.
- Utilize critical thinking to differentiate between artifact and abnormal rhythms.
- Recognize lethal and nonlethal rhythms and state the appropriate actions to be taken.

Program Outcomes

- Describe Cardiac Monitoring and EKG services, ethical, legal, and regulatory issues including HIPPA.
- Describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by Cardiac Monitor/Electrocardiography (EKG) Technicians.
- Describe standard operating procedures for monitoring and interpreting cardiac rhythms and performing EKGs.
- Perform infection control techniques and safety, complying with federal, state, and locally mandated regulations regarding safety practices.

Perform duties safely and effectively within their scope of practice as a Cardiac Monitor/Electrocardiography Technician.
Maintain records, documentation of findings and reporting findings to the appropriate medical staff.
Function as a member of the health care team.
Communicate appropriately and professionally in the workplace.

College-wide Outcomes

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CARDIO 103 - Cardiac Monitoring Lab

Credits: 2

Provides the skills and techniques for EKG and telemetry monitoring, interpretation, and documentation in the clinical setting. Includes review of normal and abnormal rhythms of the heart with an emphasis on interpretation of electrocardiography and recognition of cardiac rhythm that require immediate intervention.

Enrollment Requirement: Instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform diagnostic EKG testing in a lab or clinical setting.
- Interpret cardiac rhythms in a lab or clinical setting.
- Demonstrate knowledge of electrocardiography equipment.
- Demonstrate professional behavior and communication in the clinical environment.

Participate as a member of the healthcare team.

Program Outcomes

- Describe Cardiac Monitoring and EKG services, ethical, legal, and regulatory issues including HIPAA.
- Describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by Cardiac Monitor/Electrocardiography (EKG) Technicians.
- Describe standard operating procedures for monitoring and interpreting cardiac rhythms and performing EKGs.
- Perform infection control techniques and safety, complying with federal, state, and locally mandated regulations regarding safety practices.
- Perform duties safely and effectively within their scope of practice as a Cardiac Monitor/Electrocardiography Technician.
- Maintain records, documentation of findings and reporting findings to the appropriate medical staff.
- Function as a member of the health care team.
- Communicate appropriately and professionally in the workplace.

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CARDIO 105 - Cardiac Monitoring Clinical

Credits: 1

This course provides students with the practical skills and clinical experience necessary to become proficient in the monitoring and interpretation of cardiac rhythms. Students will apply knowledge obtained in their theory and laboratory courses in a real-world

healthcare setting to foster safe and effective clinical skills that support the healthcare team.

Enrollment Requirement: Instructor permission

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform diagnostic EKG testing in a clinical setting.
- Interpret cardiac rhythms in a clinical setting.
- Demonstrate use of electrocardiography equipment.
- Demonstrate professional behavior and communication in the clinical environment.
- Participate as a member of the healthcare team.

Program Outcomes

- Describe Cardiac Monitoring and EKG services, ethical, legal, and regulatory issues including HIPAA.
- Describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by Cardiac Monitor/Electrocardiography (EKG) Technicians.
- Describe standard operating procedures for monitoring and interpreting cardiac rhythms and performing EKGs.
- Perform infection control techniques and safety, complying with federal, state, and locally mandated regulations regarding safety practices.
- Perform duties safely and effectively within their scope of practice as a Cardiac Monitor/Electrocardiography Technician.
- Maintain records, documentation of findings and reporting findings to the appropriate medical staff.
- Function as a member of the health care team.
- Communicate appropriately and professionally in the workplace.

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Carpentry Technology

CARP 113 - Foundations and Floor Framing

Credits: 1-13

A competency-based course. Major areas of study include foundation forming and floor framing principles and practices; carpentry computation related to foundations and floor framing; International Residential Building Code requirements relating to foundations and floor framing; and related OSHA/WISHA construction safety standards. Credits are awarded upon competency completion. Leadership, workplace ethics, human relations, cultural diversity, attendance, punctuality, and craftsmanship are integral to instruction.

Enrollment Requirement: Instructor consent.

Course Fee: \$91.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Locate and layout the location of a basic house foundation.
- Form a basic single lift foundation for a residential home.
- Read and interpret floor framing prints.
- Frame a wooden floor system to accepted practices.
- Interpret and apply building code requirements for both foundation and floor framing.
- Use correctly and safely all hand and power tools related to foundations and floor framing.
- Comply with all OSHA/WISHA construction safety standards.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.
- Frame the wooden structure for a basic single-story home.
- Form and pour typical concrete slabs.

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CARP 114 - Wall and Roof Framing

Credits: 1-13

A competency-based course. Major areas of study include wall and roof framing principles and practices; carpentry computation related to wall and roof framing; International Residential Building Code requirements related to wall and roof framing; and OSHA/WISHA construction safety standards. Credits are awarded upon competency completion. Leadership, workplace ethics, human relations, cultural diversity, attendance, punctuality, and craftsmanship are integration to instruction.

Enrollment Requirement: Instructor consent.

Course Fee: \$91.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Read and interpret wall and roof framing plans.
- Read, interpret and apply shear wall schedule specification.
- Frame a basic residential home exterior and interior walls.
- Frame a typical wooden roof using engineered trusses.
- Interpret and apply building code requirements for both wall and roof framing.
- Use correctly and safely all hand and power tools related to wall and roof framing.
- Comply with all OSHA/WISHA Construction safety standards.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.
- Form and pour a typical foundation for a basic home.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CARP 115 - Exterior and Interior Finish

Credits: 1-13

A competency-based course. Major areas of study include exterior and interior finish carpentry materials; principles and practices; carpentry computation; International Residential Building Code related to exterior and interior finish; and OSHA/WISHA construction safety standards. Credits are awarded upon competency completion.

Enrollment Requirement: Instructor consent.

Course Fee: \$104.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Install siding, trim and related components correctly and efficiently.
- Install drywall and accessories to accepted practices.
- Install exterior doors and windows to accepted practices and principle.
- Install interior doors to accepted practice and principles.
- Install standing and running trim.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.
- Install all basic interior trim components for a home.
- Install all basic exterior trim components for a home.

College-wide Outcomes

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CARP 161 - Print Reading

Credits: 3

Introduction to reading and interpreting architectural drawings for construction.

Course Fee: \$40.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret all lines, symbols, dimensions on prints.
- Locate critical load bearing points on prints.
- Determine correct building materials based on prints.
- Read and interpret Shear Wall schedules.
- Interpret sectional views, and detail views on prints.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety and accuracy in the completion of carpentry tasks.
- Read and interpret basic architectural residential prints
- Estimate materials and supplies to build a basic single story residential home.

College-wide Outcomes

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CARP 162 - Stair Design and Construction

Credits: 1-4

Introduction to the design and construction of residential and commercial stairs. Topics include stair design factors, International Building Code requirements, common stair calculations, stair layout and cutting, and installation practices.

Course Fee: \$91.00

Course Outcomes:

Students who successfully complete this class will be able to:

Determine total rise, unit run, total run, stringer pitch and length, and stairwell opening.

Build a set of straight-run stairs that meet or exceed building code requirements.

Program Outcomes

Be employed as a carpenter helper or a union carpentry apprenticeship program.

Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.

Use all basic hand and power tools related to carpentry.

Calculate, layout and install basic stairs and components.

Estimate materials and supplies to build a basic single story residential home.

College-wide Outcomes

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CARP 163 - Rafters Design and Framing Level 1

Credits: 4

Competency-based/hybrid course that covers the theory and current practice of building a stick framed roof. Topics include basic roof theory, common roof designs, rafter length computations, layout cutting and installation of common rafters and their appropriate components, roof sheathing applications, matching existing roofs, and safety.

Course Fee: \$65.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine lengths of common, valley, hips and jack rafters using rafter tables, and construction master calculator to within 1/16 of an inch.

- Calculate stud and plate lengths and construct a rake wall within 1/8 of an inch tolerance.

- Calculate and over frame a blind valley rafter system over the existing roof to within 1/8 of an inch.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.

- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.

- Use all basic hand and power tools related to carpentry.

- Calculate, install and sheath typical stick-framed roof structures.

- Estimate materials and supplies to build a basic single story residential home.

College-wide Outcomes

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CARP 164 - Intermediate Woodworking and Cabinetry

Credits: 1-4

A competency-based/hybrid course. Intermediate woodworking and cabinetry skills. Topics include wood species and identification and characteristics, various cabinet construction methods, common cabinetry materials and hardware, sources for cabinetry parts and components, cabinet design and construction, hardware installation and adjustment, power tool and stationary tool set-up, safety procedures and operations.

Enrollment Requirement: INDUS 101 or instructor consent.

Course Fee: \$110.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and evaluate materials, construction methods and overall quality of modular or "off the shelf" type cabinetry as well as "Custom" cabinetry.
- Determine quality of drawer, door and convenience hardware.
- Design a usable shop drawing, estimate the project, and generate a cut list for a built-in Media Center based on a "concept sketch."
- Operate power tools and stationary machinery safely and correctly.
- Machine all basic woodworking joints using stationary machinery and portable woodworking tools.
- Construct a lower and upper kitchen cabinet correctly and accurately.
- Construct a basic drawer box and overlay drawer front.
- Construct an overlay, recessed panel cabinet door and install it using European style Hinges on either a face frame or frameless cabinet box.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.
- Build a basic kitchen base cabinet to within 1/32" of all given dimensions
- Estimate materials and supplies to build a basic single story residential home.

College-wide Outcomes

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CARP 167 - Material Estimating

Credits: 3

A competency-based course. Introduction to material estimating methods. Topics include foundation, framing, exterior and interior material estimating methods and practices.

Course Fee: \$40.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the amount and cost of all the materials to build a home based on residential prints.

- Collect data for sub-contracted prices based on residential prints.

- Combine both sub-contracted bids and their own material estimating costs and derive at an estimated cost to build the house.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.

- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.

- Read and interpret basic architectural residential prints

- Estimate materials and supplies to build a basic single story residential home.

College-wide Outcomes

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CARP 168 - Green Construction Principles and Practices

Credits: 3

Competency-based course. The study of Green Building principles and practices. Topics include environmental and economic issues related to home construction, sustainable building materials and practices, health and safety issues, energy generation and saving methods, green building codes and Washington energy codes, and testing and evaluating home performance and requirements for Energy Auditors certification.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss environmental and economic impacts of Green Building Principles.
- Discuss basic Building Science Principles.
- Describe Advanced Framing Principles.
- Describe efficient ways to generate and save energy.
- Discuss Thermal Dynamics within a Home or Building.
- Define the thermal envelope of a house and how to properly seal for air leaks.
- Identify and Remedy Moisture related problems.
- Perform Energy Auditing Test related to Air Leakage, Thermal Barriers, Energy Consumption and Health/Safety Issues.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CARP 169 - Advanced Stair Construction

Credits: 1-4

Competency-based/hybrid course that covers the theory and current practice of building complex stair systems including winder stairs, circular stairs and wrap-around (pyramid) stairs. Topics include layout and construction techniques for winder and circular stair systems.

Course Fee: \$60.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Layout and construct winder treads to meet the IRC Code to within 1/16" accuracy based on a basic drawing.

- Layout and construct a self-supporting circular stair system with laminated inside stringer & curved outside wall.

- Calculate and layout a 45-degree stringer for a pyramid stair.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.

- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.

- Use all basic hand and power tools related to carpentry.

- Calculate, layout and install basic stairs and components.

College-wide Outcomes

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CARP 171 - Advanced Cabinetry and Wood Fabrication

Credits: 1-6

Open-content course designed for students to design and build a medium to large wood project of their choosing in the carpentry lab.

Enrollment Requirement: CARP 164 or instructor consent.

Course Fee: \$110.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop their own shop drawings, material list, cut list, sheet layout and estimate for a project of their own choosing.

- Fabricate above project and will be graded on accuracy to design, craftsmanship and complexity.

Program Outcomes

- Use all major woodworking equipment safely and efficiently.

College-wide Outcomes

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CARP 177 - Carpentry Work Experience 1

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Become acquainted with people in professional settings.

- Work with others in their field of interest.

Adjust to specific aspects of a career.
Improve previously acquired skills.

Program Outcomes

Be employed as a carpenter helper or a union carpentry apprenticeship program.
Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
Use all basic hand and power tools related to carpentry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CARP 178 - Carpentry Work Experience 2

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Become acquainted with people in professional settings.
Work with others in their field of interest.
Adjust to specific aspects of a career.
Improve previously acquired skills.

Program Outcomes

Be employed as a carpenter helper or a union carpentry apprenticeship program.
Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
Use all basic hand and power tools related to carpentry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

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CARP 179 - Carpentry Work Experience 3

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Become acquainted with people in professional settings.
- Work with others in their field of interest.
- Adjust to specific aspects of a career.
- Improve previously acquired skills.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CARP 194 - Special Studies-Carpentry

Credits: 1-13

Students study and develop skills to meet student-identified needs within the carpentry trade.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Describe considerations necessary to the completion of special study task.

Demonstrate the special study task.

Program Outcomes

Be employed as a carpenter helper or a union carpentry apprenticeship program.

Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.

Use all basic hand and power tools related to carpentry.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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Chemistry

CHEM& 110 - Chemical Concepts with Lab

Credits: 5

An introduction to chemistry for the nonscience student with less mathematical rigor than CHEM& 121. Presents general ideas about how models of atoms, bonding, and the structures of materials help in understanding chemical processes and reactions.

Selection of applications is chosen from topics such as energy and environment, foods, drugs, poisons and household chemicals.

Enrollment Requirement: MATH 72; or eligible for MATH 97; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$22.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize various forms of scientific measurement and proportional reasoning in simple calculations.
- Describe the composition and properties of simple chemical substances, as well as their roles in chemical reactions.
- Use basic chemical principles to understand, explore and evaluate real world topics.
- Perform laboratory experiments, paying attention to detail, and acting in an environmentally responsible manner.

Program Outcomes

- Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
- Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 121 - Introduction to Chemistry

Credits: 5

Beginning course for the non-science student interested in chemistry with less mathematical rigor than CHEM& 140. Together with CHEM& 131, it satisfies the chemistry requirement for many students in the allied health sciences and related fields.

Enrollment Requirement: MATH 72 with a grade of 2.0 or higher; or in a one-year high school algebra course; or eligible for MATH 97 or equivalent placement; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$27.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize various forms of scientific measurement in calculations including scientific notation, the metric system of units, dimensional analysis for unit conversions, and significant figures.
- Evaluate atomic structure and the relationship to the periodic table of elements.
- Describe the types of radiation and apply it to nuclear reactions.

Evaluate models of chemical bonding and the relationship to the periodic table of elements and to the chemical and physical properties of compounds associated with different types of bonding.

Name and predict formulas for simple ionic and covalent compounds.

Relate observable macroscopic properties and changes among solid, liquid, and gaseous states of matter to underlying microscopic principles.

Perform simple stoichiometric calculations utilizing mole ratios and molar masses.

Describe how heat is involved in chemical and physical changes.

Describe the relationship of pressure, volume, temperature, and moles in a gaseous sample.

Relates observable macroscopic properties of solutions and calculate concentrations of solutions.

Describe the concepts of equilibrium and reaction rates.

Describe the concepts of acidity, basicity and pH.

Utilize laboratory techniques to collect and accurately record experimental data.

Practice safe laboratory procedures, such as identifying and managing laboratory hazards and using appropriate personal protective equipment.

Use appropriate scientific concepts to analyze data and draw conclusions.

Program Outcomes

Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.

Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 131 - Introduction to Organic Chemistry and Biochemistry

Credits: 5

Satisfies allied health program requirements. Covers structure, nomenclature and reactions of organic and biological compounds, and applications to living systems.

Enrollment Requirement: CHEM& 121 with a grade of 2.0 or higher or instructor consent and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Classify and name organic compounds.
- Predict physical and chemical properties of organic molecules using molecular structure.
- Write and interpret organic structures.
- Predict the outcome of selected organic reactions involved in the metabolic pathways.
- Describe isomerism and stereochemistry as it applies to organic and biological compounds.

Program Outcomes

- Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
- Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 140 - General Chemistry Prep with Lab

Credits: 6

Prepares students planning to enroll in the science and engineering majors' sequence (CHEM& 161, CHEM& 162 and CHEM& 163) who have not completed a one-year high school chemistry course or who need a refresher course prior to entering CHEM& 161. Stresses metric conversions, inorganic naming, equation writing and quantitative aspects of chemistry. **Restriction:** Students who have completed one year of high school chemistry may not be able to transfer more than five credits from CHEM& 121, CHEM& 131 and CHEM& 161.

Enrollment Requirement: Eligible for ENGL& 101. Eligible for MATH 97 or higher.

Recommended: Eligible for college-level math, or co-enrollment in MATH 97.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use the metric system, dimensional analysis method, and significant figures in solving problems.
- Distinguish among atoms, molecules, ions, and compounds.

Write chemical formulas and systematic names for ionic and covalent compounds.
Describe the subatomic structure of the atom, including isotopic differences.
Convert among units of mass, mole, or number of particles.
Write balanced chemical equations.
Use stoichiometry to compute either the number of products or required reactants in a chemical reaction in units of moles or mass.
Describe the atomic structure of the s, p and d block elements.
Draw the Lewis structures of atoms and covalent compounds that follow the octet rule.
Practice the safe use of laboratory equipment to record and present data in an organized and professional manner.
Analyze scientific data and draw appropriate conclusions.

Program Outcomes

Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 161 - General Chemistry with Lab I

Credits: 6

For science, engineering and other majors who plan to take a year or more of chemistry. Covers the structure of matter, solution chemistry (acid-base and oxidation-reduction), stoichiometry of reactions in solution, thermochemistry, atomic and electronic structure and quantitative relationships.

Enrollment Requirement: Eligible for ENGL& 101. A grade of 2.0 or higher in CHEM& 140 or in a one-year high school chemistry course. Concurrent enrollment in MATH& 141 or eligible for MATH& 142 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Use the metric system, dimensional analysis method, and significant figures in solving problems.
Distinguish among atoms, isotopes, molecules, ions and compounds.

Write chemical formulas and systematic names for ionic and covalent compounds.
Write balanced chemical equations, including net ionic equations and predict reaction products, including acid-base, precipitation and redox reactions.
Use stoichiometry to compute either the yield or required reactants in a chemical reaction involving limiting reactants as solids, liquids, solutions and/or gases.
Calculate the amount of solute needed to prepare a specific solution concentration, as well as perform dilution calculations.
Use the gas laws and the kinetic molecular theory to describe and explain the physical behavior of gases.
Compute the enthalpy change in chemical reactions using stoichiometry, calorimetric data, Hess's Law, and/or tabulated thermodynamic data.
Utilize laboratory equipment, including electronic instruments to record, present, and analyze scientific data, as well as draw appropriate conclusions.

Program Outcomes

Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 162 - General Chemistry with Lab II

Credits: 6

Continuation of CHEM&161. Covers modern atomic theory, chemical bonding, molecular and electronic structure, valence bond theory, liquids and solids, and intermolecular forces.

Enrollment Requirement: Eligible for ENGL& 101. CHEM& 161 with a grade of 2.0 or higher; and concurrent enrollment in MATH 142; or eligible for MATH& 151 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Calculate the wavelength, frequency and energy of electromagnetic radiation associated with electron transitions predicted by Bohr's atomic model.

Identify the key differences between classical and modern atomic theory, including the particulate nature of light and the wave nature of matter.

Describe the underlying principles of the Quantum-Mechanical model of the atom.

Describe the location of electrons in an element or ion using quantum numbers, electron configurations and orbital diagrams.

Explain periodic trends (e.g., atomic size, electron affinity, ionization energy or electronegativity) and use these to predict the chemical and physical properties of a substance (e.g., lattice energy, melting point, polarity).

Use the applicable bonding model (metallic, ionic, covalent or network covalent) to predict the physical and chemical properties of a substance.

Use Lewis structures to represent ionic or covalent compounds, including those expanded octet configurations.

Use the VSEPR theory 3-D shape of a molecule or ion to predict physical properties, such as polarity and solubility.

Use valence bond theory and molecular orbital theory to describe the bonding in molecules and explain their properties.

Calculate the enthalpy changes involved in various phase changes and temperature changes.

Use a phase diagram to predict the physical state of a substance under specified conditions of temperature and pressure.

Calculate unit cell and atomic properties using an understanding of basic crystal structures.

Use the appropriate intermolecular forces to predict physical properties, such as boiling point, viscosity, surface tension, solubility and volatility.

Utilize laboratory equipment, including electronic instruments, to record, present, and analyze scientific data, as well as draw appropriate conclusions.

Program Outcomes

Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.

Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 163 - General Chemistry with Lab III

Credits: 6

Continuation of CHEM& 162. Covers metals and non-metals, electrochemistry, nuclear reactions and coordination compounds, thermodynamics, kinetics, equilibrium, acid-base and solubility equilibria.

Enrollment Requirement: Eligible for ENGL& 101. CHEM& 162 with a grade of 2.0 or higher; and eligible for MATH& 151 or higher; or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine a reaction rate, reaction order, rate constant and rate law.
- Calculate amounts or time using integrated rate laws for zero, first, or second order reactions, including nuclear decay.
- Write balanced nuclear chemistry reactions for the various decay modes, fission and/or fusion.
- Describe the collision theory of reaction rates, including the role of activation energy and catalysts.
- Define or calculate the reaction quotient or equilibrium constant from a balanced chemical equation and solve for equilibrium concentrations.
- Use the principles of chemical equilibrium to solve problems involving acid/base, solubility, complex formation and/or electrochemical equilibria.
- Use Le Châtelier's Principle to predict the effect of a stress applied to a chemical equilibrium.
- Calculate pH, pOH, $[H^+]$, $[OH^-]$, K_a , K_b , pK_a and pK_b for both strong and weak acids.
- Describe how buffers work and be able to calculate the concentrations of all species in a buffered solution.
- Predict how the solubility of solids will be affected by pH, as well as calculate the K_{sp} and/or solubility of a weakly soluble salt.
- Identify the factors that determine the spontaneity of a chemical reaction and predict if a given reaction will be spontaneous.
- Calculate enthalpy, entropy and Gibbs free energy changes for a chemical reaction, as well as predict and/or calculate how temperature affects the spontaneity of a chemical reaction.
- Distinguish between voltaic and electrolytic cells.
- Calculate the potential of an electrochemical cell under standard and/or non-standard conditions.
- Utilize laboratory equipment, including electronic instruments, to record, present, and analyze scientific data, as well as draw appropriate conclusions.

Program Outcomes

- Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
- Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM 177 - Chemistry Work Experience

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent; and eligible for ENGL& 101.

CHEM 194 - Special Topics-Chemistry 1

Credits: 1-5

Allows chemistry faculty to teach topics of special interest in chemistry. Not taught on a regular basis. This is a pass/no credit course.

Enrollment Requirement: Eligible for ENGL& 101 and instructor consent.

CHEM 195 - Special Topics-Chemistry 2

Credits: 1-5

A continuation of CHEM 194 which allows chemistry faculty to teach topics of special interest in chemistry. Not taught on a regular basis.

Enrollment Requirement: Eligible for ENGL& 101 and instructor consent.

CHEM& 261 - Organic Chemistry with Lab I

Credits: 6

For science and other related majors that require a full year of organic chemistry. Covers structure, nomenclature, reactions (including mechanisms) and synthesis of organic compounds, as well as spectroscopic analysis.

Enrollment Requirement: CHEM& 163 with a grade of 1.5 or higher and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Predict the acidity or basicity of an organic compound, based on electronegativity, resonance, inductive electron withdrawal, and orbital hybridization.
- Predict the stabilities of organic compounds, based on electron configuration and delocalization, orbital hybridization, hyperconjugation, angle strain, and steric strain.
- Draw structures of major organic functional groups and isomers, and name representative molecules using IUPAC nomenclature rules.
- Determine a curved arrow mechanism and reaction intermediates involving electrophilic addition, carbocation rearrangement, and resonance.
- Plan a synthesis involving electrophilic addition and catalytic hydrogenation reactions of alkenes and alkynes to produce a targeted organic molecule in good yield.
- Identify and correct errors, problems, and safety hazards associated with the handling of organic chemicals, lab equipment setup, and usage.
- Plan a purification of an organic compound involving extraction, filtration, centrifugation, recrystallization, distillation, and chromatography.
- Assess the purity and determine the identity of an organic sample using melting point determination, polarimetry, refractive index, and chromatography.
- Evaluate the impact of an organic laboratory experiment on human health and the environment and suggest improvements.

Program Outcomes

- Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
- Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 262 - Organic Chemistry with Lab II

Credits: 6

Continuation of CHEM& 261.

Enrollment Requirement: CHEM& 261 with a grade of 2.0 or higher and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Plan a synthesis involving pericyclic reactions, radical-mediated reactions, nucleophilic substitution, elimination, and alcohol oxidation reactions to produce a targeted organic molecule in good yield.
- Determine a reasonable curved arrow mechanism and reaction intermediates of pericyclic reactions, radical-mediated reactions, nucleophilic substitution and elimination reactions.
- Predict the monomers, reaction conditions and products of chain-growth and step-growth polymerization reactions.
- Relate the polymerization reaction conditions to the physical properties of a polymer.
- Explain the effects of nucleophilicity, basicity, leaving group propensity, steric hindrance, solvent, and temperature on the reaction rates of nucleophilic substitution and elimination reactions.
- Determine the structure of an unknown organic compound, using infrared spectroscopy, mass spectroscopy, ^1H and ^{13}C nuclear magnetic resonance spectroscopy.
- Verify identity and purity of an organic product of pericyclic reactions, radical-mediated reactions, nucleophilic substitution and elimination reactions using spectroscopy and other common organic laboratory techniques.

Program Outcomes

- Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
- Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM& 263 - Organic Chemistry with Lab III

Credits: 6

A continuation of CHEM& 262. Covers the chemistry of selected classes of biomolecules.

Enrollment Requirement: CHEM& 262 with a grade of 1.5 or higher and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Plan a synthesis involving organometallic reagents, carbonyl compounds, and aromatic compounds to produce a targeted organic molecule in good yield.
- Explain relative reactivities and regioselectivities of organic compounds in nucleophilic acyl substitution (NAS), electrophilic aromatic substitution (EAS) and related reactions.
- Determine a reasonable curved arrow mechanism and reaction intermediates for NAS, EAS and related reactions.
- Plan a synthesis involving enolate and enamine nucleophiles, reacting with alkyl halides, acylating agents and non-unsaturated carbonyl compounds.
- Determine the identity and purity of an organic product of NAS, EAS and related reactions using spectroscopy and other common organic laboratory techniques.

Program Outcomes

- Use appropriate symbolic reasoning or quantitative methods to evaluate problems, make decisions and formulate solutions.
- Effectively use laboratory tools and/or equipment to collect data, analyze it and draw reasonable scientific conclusions.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CHEM 296 - Independent Study-Chemistry 1

Credits: 1-5

Permits a student to pursue a special field of interest in chemistry under the guidance of an instructor.

Enrollment Requirement: Eligible for ENGL& 101 and instructor consent.

CHEM 299 - Independent Study-Chemistry 2

Credits: 1-5

Permits a student to pursue a special field of interest in chemistry under the guidance of an instructor.

Enrollment Requirement: Eligible for ENGL& 101 and instructor consent.

Course Fee: \$10.00

Chinese

CHIN 111 - First Year Chinese for Heritage Learners

Credits: 5

Intended for students with some formal or home training in listening and speaking Mandarin Chinese. Focuses on reading comprehension and writing characters in context. Students who speak Mandarin with non-standard accents are trained in standard pronunciation. Uses 80% Mandarin Chinese in the classroom. Course cannot be taken by students who are highly literal in Mandarin Chinese.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate reading and writing skills in simplified character Chinese.
- Develop basic skills to read and write modern colloquial Chinese.
- Demonstrate and develop reading and writing skills on the bases of fundamental grammatical patterns and vocabulary in functional contexts.
- Develop proficiency for those who speak Mandarin with non-standard accents to demonstrate proficiency in standard pronunciation.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CHIN& 121 - Chinese I

Credits: 5

Begins the study of Mandarin Chinese (the official Chinese Language). Focuses on listening, speaking, reading, and writing. Emphasizes pronunciation, vocabulary development, and sentence structure. Includes practices with complex Chinese characters, as well as simpler forms.

Enrollment Requirement: No previous background in Mandarin Chinese, or no more than one year of high school Mandarin, or no more than two years of high school Mandarin with a "C" average or less; and eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use Pinyin and simplified Chinese characters.
- Exchange personal information.
- Discuss family.
- Discuss time of events.
- Make and accept invitations.
- Express preferences and opinions.
- Use Chinese in a linguistically and culturally appropriate manner in the Chinese environment.
- Demonstrate an understanding of the issues and trends of Chinese culture and community from open-minded perspectives.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CHIN& 122 - Chinese II

Credits: 5

Continues the study of Mandarin Chinese. Focuses on listening, speaking, reading, and writing. Emphasizes pronunciation, vocabulary development, and sentence structure. Includes practice with complex Chinese characters as well as simpler forms.

Enrollment Requirement: CHIN& 121 with a grade of 2.0 or higher; and eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use Pinyin and simplified Chinese characters.

Discuss academic studies (enrolling in a course, how someone does in a certain subject or on test, study habits, etc.).
Offer or request assistance.
Express gratitude after being helped by others.
Discuss your daily routine.
Demonstrate an understanding of how to shop.
Use Chinese in a linguistically and culturally appropriate manner in the Chinese environment.
Demonstrate an understanding of the issues and trends of Chinese culture and community from open-minded perspectives.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CHIN& 123 - Chinese III

Credits: 5

Completes the study of Mandarin at the elementary level. Focuses on listening, speaking, reading and writing. Emphasizes pronunciation, vocabulary development, complex sentence structure, and writing with Chinese characters.

Enrollment Requirement: CHIN& 122 with a grade of 2.0 or higher; and eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use Pinyin and simplified Chinese characters.
- Discuss time, location and duration of events.
- Give short narratives that explain or relate a situation.
- Make, accept and turn down invitations.
- Discuss comparisons and contrasting relationships of objects or opinions.
- Discuss the weather.
- Ask for and give directions (includes mass transit).
- Use Chinese in a linguistically and culturally appropriate manner in the Chinese environment.
- Demonstrate an understanding of the issues and trends of Chinese culture and community from open-minded perspectives.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CHIN 146 - Introduction to Chinese Culture and Life

Credits: 5

Students learn about various aspects of Chinese traditional and modern culture. Key features of Chinese culture such as history, philosophy, nationalities, arts and language will be incorporated. Also includes integration of other well-known cultural aspects such as martial arts, foods and traditional medicine. Students will understand primary differences between Chinese core culture and Western culture. Students discuss the role of traditional culture in the current economic development of China. In English. Previously HUMAN 146.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent. **Recommended:** College-level reading.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of aspects of Chinese culture such as history, geography, traditional philosophies, ancient literature, traditional technologies, and arts.

- Analyze aspects of Chinese society such as family planning policy, the education system, and folk customs.

- Analyze aspects of Chinese daily life such as tourism sites, cuisine, medicine, pastimes, and real estate.

- Demonstrate intercultural competence for understanding of a different culture.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Communication Studies

CMST& 101 - Introduction to Communication

Credits: 5

An introductory class to human communication. Students will explore the fundamentals of communication with a survey of communication theory, interpersonal communication, intercultural communication, small group communication, and public communication contexts with an emphasis on communication competence, communication climate, and audience adaptation.

Enrollment Requirement: Eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Respond to different types of communication events with competence.
- Research a solution to a small group or interpersonal challenge.
- Discuss the relationship between messages, perception, and self.
- Locate communication acts and communication environments within one's life.
- Describe the influence of communication choices on communication competence.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Use, synthesize or produce needed information ethically.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST& 102 - Introduction to Mass Media

Credits: 5

Intro to Mass Media explores the history, breadth, and impact of mass media on society. This class teaches and encourages students to move beyond being consumers of mass media to being critical participants in mass media. You will learn about the development and impact of mass media on a contemporary world by learning about, and how to be critical of, various forms of mass media in print, broadcast, and digital formats.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$10.00

Course Outcomes:

Upon completing this course, students will be able to:

- Discuss the development of mass media historically and contemporarily.

- Explain the history and impact of mass media on society.

- Discuss major influences on the development, consumption, regulation, and impact of mass media.

- Explain the role of mass media on contemporary political, social, and economic contexts.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST 105 - Oral Communication for Trades

Credits: 3

Introduces students to some of the key oral communication skills and practices needed for success in industry and professional settings. Among the subjects covered in this course are job search skills, basic public speaking for interviews, following directions, and listening.

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Orally Communicate their ideas to others.
- Generate a professional resume.
- Apply effective communication skills to job interview settings.
- Use effective listening skills to follow directions.
- Give short narratives that explain or relate a situation.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 106 - Human Relations for Trades

Credits: 3

Introduces students to some of the key human relations skills and practices needed for success in industry and professional settings. Among the subjects covered in this course are interpersonal and small group communication basics, understanding conflict, relationships, and workplace diversity.

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use basic interpersonal communication skills.
- Use basic group communication skills.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 113 - Communication in Social Media Contexts

Credits: 5

Social media communication includes an overview of communication theory and skill development in social media settings. In today's fast-paced digital landscape, effective self-presentation is key to success in both personal and professional realms. Self-presentation on social media is founded upon various communication studies theories that can help boost its effectiveness. This introductory course is designed for students interested in harnessing the power of social media for self-presentation and communication strategies. Students will be equipped with the knowledge and skills to navigate the evolving world of digital communication and create impactful self-presentational communication strategies for their own ventures or community initiatives.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify media tools and affordances.
- Use media tools and affordances to deliver messages.
- Craft self-presentational communication strategies for audience impact.
- Analyze the effectiveness of messages on intended audiences through feedback and analytics.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST 117 - Communication for Business and Professions

Credits: 5

A course in professional communication that includes an overview of communication theory and skill development in organizational settings. Emphasizes interpersonal skill development for the workplace, meeting facilitation and working in teams, interviewing and enhancing professionalism in the digital age. Previously CMST 217.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret the communication process as it relates to business and professional settings.
- Identify verbal and nonverbal skills that contribute to establishing effective interpersonal relationships in the workplace.
- Practice techniques for conducting meetings and working as a group.
- Model effective skills for participating in the interview process.
- Illustrate credibility and professionalism in social media networks and other mediated channels.
- Appraise the application of business communication skills in intercultural contexts.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST 177 - Communication Studies Work Experience 1

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

CMST& 210 - Interpersonal Communication

Credits: 5

Provides insight into communication that occurs in personal relationships. Reviews the purpose and methods of interpersonal communication in order to better understand and control communication behavior, and thus more effectively manage communication outcomes in interpersonal relationships.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify interpersonal communication vocabulary for self, perception, conflict, verbal communication, nonverbal communication, listening, conflict, and relationships.
- Summarize how and why humans communicate interpersonally.
- Compare and contrast interpersonal communication choices.
- Evaluate the communication process in interpersonal contexts.
- Model competent (appropriate, effective & ethical) interpersonal communication.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 212 - Persuasion and Propaganda

Credits: 5

An exploration of the art and science of persuasion and propaganda. Addresses persuasive techniques and rhetorical theory employed in persuasion and propaganda, taking into account ethical considerations, and audience impact.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the differences between persuasion and propaganda.
- Critique rhetorical techniques of persuasion.
- Define persuasion in terms of communication theory.
- Assess the ethics, politics, and cultural influences on the construction and effectiveness of propaganda and persuasive messages.
- Discuss the principles of audience adaptation to the potential effectiveness of a persuasive message.
- Summarize the historical evolution of propaganda.
- Analyze the effectiveness of rhetoric used in a persuasive campaign.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Use, synthesize, or produce needed information ethically.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 213 - Communication in Social Media

Credits: 5

Introduces the discipline of communication studies in the context of social media. From Roman times to the present, social media, such as graffiti, Facebook, Snapchat, and messaging, affects the way people, societies, cultures, and nations communicate with one another. Study the historical significance of social media, self-identity and self-presentation, relationships and choices, social movements, and news consumption.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe major shifts in social media over time.
- Examine their self-identity and self-presentation.
- Interpret the impact of social media choices on their relationships.
- Analyze social media's influence on social movements, both domestic and global.
- Examine the impact of social media on their news consumption and worldview.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST 214 - Gender and Communication

Credits: 5

Explores gender and the communication process in a contemporary context; examining privilege, conflict, gender stereotypes, media, and cultural patterns of interaction on the self and in interpersonal relationships. Uses communication theory to explain gender phenomena, and stereotypes, with an emphasis on improving communication competence. Addresses communication's role in creating and sustaining patterns of gender identity that are interdependent among other social and cultural identities such as race, class, ability, religion, etc.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compare theories of gender communication.
- Analyze gender as an element of culture and communication.
- Recognize gender as one of many interrelated social identities.

Identify how communication practices construct gender identities and gendered experiences.
Assess the construction, maintenance, and reinforcement of gender within mass media systems.
Reflect on gendered communication practices within their own lives.
Evaluate communication practices that establish and maintain privilege as a part of gender identity.

Program Outcomes

Create messages appropriate to audience, purpose, and context.
Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

Critical Thinking -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 215 - Critical Analysis of Media

Credits: 5

Examines basic theories of media analysis and effects. Covers stereotypes, persuasive messages, and violent and sexual imagery. Applies media theories to a variety of media including movies, television, radio, and print.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain the prevalence of media in our daily lives.
Analyze different types of media.
Apply theories and methods to existing media.
Compare the historical effects of different types of media.
Illustrate various impacts media have on our society.
Generate critical analysis of various forms of media.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

Use, synthesize, or produce needed information ethically.
Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.
Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST& 220 - Public Speaking

Credits: 5

Introduction to public speaking that helps students develop confidence and competence in addressing diverse audiences in community and professional settings. Students compose and deliver speeches, as well as evaluate others' presentations. Emphasizes choice and organization of material, sound reasoning, audience analysis, and delivery.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Deliver an extemporaneous, audience-centered persuasive speech from speaker's notes based off a researched outline.

- Deliver an extemporaneous, audience-centered informative speech from speaker's notes based off a researched outline.

- Explain the ethical, emotional, and logical appeals of speeches and speakers.

- Apply the listening skills of an ethical audience member.

- Evaluate contemporary methods of public speaking such as TED talks, Zoom presentations, special occasion speeches, digital media presentations, sermons, etc.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

Use, synthesize or produce needed information ethically.

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST 221 - Public Speaking Module

Credits: 1-2

Taken in conjunction with courses that require oral presentations. Helps increase confidence and skill when delivering an oral presentation by providing opportunities for individual coaching. Students taking CMST& 220 or CMST& 230 concurrently will be able to practice speeches assigned in their classes, however, this class is available to any student wishing to improve presentational skills. Student coaching sessions will be recorded, and students will have access to their own speeches for the purpose of analysis.

Enrollment Requirement: Concurrent enrollment in CMST& 220 or CMST& 230; or instructor consent for other courses requiring oral presentations.

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate effective delivery techniques.
- Present speeches with the proper organizational pattern.
- Evaluate their own performances, as well as the performance of other presentations.
- Exhibit confidence with public speaking.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Use, synthesize, or produce needed information ethically.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 222 - Coaching and Mentoring Public Speakers

Credits: 5

Offers students who have taken a beginning public speaking course an opportunity to enhance their public speaking skills further. Students will learn skills that will enable them to intern at the Public Speaking Center where they will observe coaching sessions and coach students wishing to improve their presentations. Tailored toward any student whose future careers or community involvement will require delivering presentations.

Enrollment Requirement: CMST& 220 with a grade of 3.2 or higher; and instructor consent.

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Organize and deliver informative and persuasive speeches.
- Critique their own presentation as well as the presentations of others.
- Employ communication theory in speech analysis.
- Provide effective feedback to other speakers.
- Coach other public speakers.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Use, synthesize, or produce needed information ethically.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST& 230 - Small Group Communication

Credits: 5

Includes analysis of leadership and discussion in small group contexts with a goal of developing communication behaviors that promote a more effective, efficient, and satisfying interaction in groups and leadership contexts. Addresses the functional problems of leadership, organization in groups, developing involvement strategies within groups, problem solving, consensus building, and conflict management.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify elements of communication competence in small groups.
- Compare different leadership styles within small groups.
- Model the phases of group development to complete tasks.
- Assess the effects of competition and cooperation within and among small groups.
- Evaluate methods of decision-making and problem solving within small groups.
- Identify the types of power, influence, and conflict within small groups.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CMST& 240 - Intercultural Communication

Credits: 5

Looks at communication across cultures on the interpersonal and inter-group levels. Investigates the components of culture that work to affect the communication of members in and across cultures, including consideration of the role of culture on majority and minority cultural groups related to race, ethnicity, gender, sexual orientation, class, disability, religion, age, immigration, etc. Examines different aspects of the communication process as they relate to intercultural communication, including perception, language, nonverbal communication, etc. Considers the overview of prevalent theories and practical applications. Previously CMST 238.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify the basic concepts, theories, and principles of intercultural communication.

Discuss how cross-cultural contacts, including diverse majority and minority cultural groups based on ethnic, religious, sexual, gender, class, etc., influence and are influenced by different aspects of communication: perception, language, nonverbal messages, etc.

Illustrate strategies for intercultural communication problems and conflicts between dominant, subcultural, or co-cultural groups.

Apply intercultural communication concepts, theories, principals, and skills to real world situations and contexts.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 245 - Argumentation

Credits: 5

Introduction to the basic theories and practices of argumentation. Helps students be more sensitive to, and aware of, the arguments they will encounter in their daily lives. Develop skills to better understand and assess arguments in various contexts and to build competence in producing their own arguments. Discusses different types of arguments, argumentation skills, and argumentation theories.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe basic principles of argumentation.
Describe different types of arguments.
Analyze arguments for effectiveness and appropriateness.
Build effective arguments using a variety of theories and practices.
Analyze the effects of arguments in everyday life.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.
Use, synthesize or produce needed information ethically.
Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 265 - Introduction to Popular Culture

Credits: 5

Introduces theories and practices of popular culture, their relationship to both the center and margins of popular culture, and the ways popular culture can shape our perceptions of race, class, gender, sexuality, etc. Addresses critiques of culture and covers different theories and approaches to help students understand popular culture, the consumption of popular culture and the effects of popular culture in different contexts (e.g., music, film, advertising, comics, television, etc.)

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain theories of popular culture.
Evaluate the impact of popular culture in our daily lives.
Describe the ways popular culture can influence our perceptions and understandings of diverse populations (ethnic, religious, sexual, gender, class, etc.)
Illustrate their comprehension of popular culture in broader social contexts.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.
Use, synthesize or produce needed information ethically.
Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 266 - Film and Television as Popular Culture

Credits: 5

Studies the dramatic and cinematic aesthetics of modern film and episodic television. Focuses on the examination of popular film and television dramas and sitcoms for greater understanding of the power and scope of these forms of popular culture. Also examines the role of pop culture in both society and self-awareness.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply aesthetic standards to current films and episodic television.
- Explain how diversity in our culture is expressed in current films and episodic television.
- Explain how film and television provide a better understanding of contemporary popular culture.
- Explain how our society impacts contemporary film and television.
- Explain the impact of film and television on our society.

Program Outcomes

Create messages appropriate to the audience, purpose, and context.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CMST 330 - Organizational Communication

Credits: 5

Introduces students to the communication dynamics of organizations. Students will examine the ways in which they shape and are shaped by their interactions with organizations as well as analyze how communication processes are used, coordinated, and controlled to achieve collective organizational outcomes. Students will explore structure, culture, decision-making, conflict, power, and network effects of communication in organizations.

Enrollment Requirement: Admission into a BAS program; and ENGL& 101; or instructor consent. **Recommended:** CMST& 230

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the major concepts and theories relevant to organizational communication.
- Examine the role of communication in organizations.
- Demonstrate strategic approaches to communication as an organizational tool.
- Apply productive communication strategies in organizations.
- Construct methodological approaches to the development of solutions for organizational communication issues.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Use, synthesize, or produce the needed information ethically.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

CMST 339 - Intercultural Communication in Global Contexts

Credits: 5

Course offers students the opportunity to understand how communication influences behavior and the construction of our worldviews across global contexts. Students will examine intercultural communication through the effects of globalization; understand and evaluate the effects of communication technologies on globalization and communication; and develop solutions to issues that arise within intercultural communication settings.

Enrollment Requirement: Admission into a BAS program; and ENGL& 101; or

instructor consent. **Recommended:** CMST 240

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the effects of globalization on human interaction and communication.
- Practice effective intercultural communication within interpersonal and small group dynamics.
- Analyze topics of intercultural communication in a global setting.
- Develop solutions to issues that arise within intercultural communication settings.
- Evaluate via historical examples the influence of emergent technologies on globalization and intercultural communication.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.
- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Computation

ACOMP 115 - Technical Algebra/Trigonometry 1

Credits: 5

Study of solving equations, solving formulas, proportions, percents, calculator operations, measurement systems, geometry, and right triangle and oblique triangle trigonometry. For technical students only.

Enrollment Requirement: MATH 70 with a grade of 2.5 or higher or appropriate math placement.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Solve linear equations.
- Solve formulas.
- Solve proportions.
- Solve percent problems.
- Compute using a calculator.
- Compute English/metric conversions.
- Compute using geometry formulas.
- Use right triangle trigonometry to solve problems.
- Use oblique triangle trigonometry to solve problems.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Court Reporting and Captioning**CRC 101 - Machine Shorthand Theory 1**

Credits: 8

Students study the theory and arrangement of the keyboard. Teaches StenEd Realtime Theory. Includes intensive practice dictation with emphasis on rapid and accurate reading of notes.

Enrollment Requirement: Instructor consent.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice writing textbook and lab exercises with each lesson until 95% accuracy or better is achieved.
- Memorize and demonstrate knowledge of brief forms, words, numbers, and punctuation through weekly tests.

Develop an ability to read shorthand notes fast and smoothly through timings in class.
Write shorthand notes smoothly without hesitation from perfect copy notes.
Demonstrate awareness of computer writing while learning theory. This includes consistency, accuracy, and conflict-free writing.
Maintain and care for the shorthand machine.

Program Outcomes

Read, write, and understand a Realtime theory.
Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
Apply machine writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 102 - Machine Shorthand Theory 2

Credits: 8

Students study the theory and arrangement of the keyboard. Teaches StenEd Realtime Theory. Includes intensive practice dictation with emphasis on rapid and accurate reading of notes.

Enrollment Requirement: CRC 101 with a grade of 2.0 or higher and instructor consent.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice writing textbook and lab exercises with each lesson until 95% accuracy or better is achieved.
- Memorize and demonstrate knowledge of brief forms, words, numbers, and punctuation through weekly tests.
- Develop an ability to read shorthand notes fast and smoothly through timings in class.
- Write shorthand notes smoothly without hesitation from perfect copy notes.
- Demonstrate awareness of computer writing while learning theory. This includes consistency, accuracy, and conflict-free writing.
- Maintain and care for the shorthand machine.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 103 - Machine Shorthand Theory 3

Credits: 8

Continues the study of theory and develops skill in writing dictation and reading notes

with practice on new and familiar material. Students should attain 40 wpm with a minimum of four tests at 95 percent accuracy in a transcription.

Enrollment Requirement: CRC 102 with a grade of 2.0 or higher and instructor consent.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice writing textbook and lab exercises with each lesson until four tests at 95% accuracy or better is achieved.
- Memorize and demonstrate knowledge of brief forms, words, numbers, and punctuation through weekly tests.
- Develop an ability to read shorthand notes fast and smoothly through timings in class.
- Write shorthand notes smoothly without hesitation from perfect copy notes.
- Demonstrate awareness of computer writing while learning theory. This includes consistency, accuracy, and conflict-free writing.
- Maintain and care for the shorthand machine.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

CRC 111 - Machine Shorthand Literary 60 WPM

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 60 wpm with a minimum of four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 103 with a grade of 2.0 or higher and instructor consent; and concurrent enrollment in testimony dictation course.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on literary and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

- Apply machine writing skills on legal, medical, and technical terminology.

- Demonstrate natural, smooth read back of shorthand notes.

- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 112 - Machine Shorthand Testimony 60 WPM

Credits: 4

Develops skill in writing testimony dictation and reading notes with practice on new and familiar material. Students should attain 60 wpm with a minimum of 95 percent accuracy in transcription.

Enrollment Requirement: CRC 103 with a grade of 2.0 or higher and instructor consent; and concurrent enrollment in literary dictation course.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on testimony and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 121 - Machine Shorthand Literary 80 WPM

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 80 wpm with a minimum four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 111 with a 2.0 and instructor consent; and concurrent enrollment in testimony dictation course.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription. Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on literary and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 122 - Machine Shorthand Testimony 80 wpm

Credits: 4

Develops skill in writing two-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 80 wpm with a minimum of four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC

112 with a grade of 2.0 and instructor consent; and concurrent enrollment in literary dictation course.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on testimony and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

- Apply machine-writing skills on legal, medical, and technical terminology.

- Demonstrate natural, smooth read back of shorthand notes.

- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

- Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 131 - Machine Shorthand Literary 100 wpm

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 100 wpm with a minimum of four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 121 with a grade 2.0 or higher; and instructor consent; and concurrent enrollment in testimony and jury charge dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.
Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on literary and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.
Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
Apply machine writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 132 - Machine Shorthand Testimony 100 wpm

Credits: 4

Develops skill in writing two-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 100 wpm with a minimum of 95% accuracy in transcription.

Enrollment Requirement: CRC 122 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in literary, jury charge, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on testimony and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 133 - Machine Shorthand Jury Charge 100 wpm

Credits: 4

Develops skill in writing jury charge dictation and reading notes with practice on new and

familiar material. Students should attain 100 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: Instructor consent and concurrent enrollment in literary, testimony, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar jury charge material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.
- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.
- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.
- Execute their machine-writing skills on jury charge and technical words.
- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.
- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.
- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 141 - Machine Shorthand Literary 120 wpm

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 120 wpm with a minimum of four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 131 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in testimony, jury charge, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on literary and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
Apply machine-writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 142 - Machine Shorthand Testimony 120 wpm

Credits: 4

Develops skill in writing two-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 120 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 132 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in literary, jury charge, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.
- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on testimony and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 143 - Machine Shorthand Jury Charge 120 wpm

Credits: 4

Develops skill in writing jury charge dictation and reading notes with practice on new and familiar material. Students should attain 120 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 133 with a grade of 2.0 or higher; and instructor consent and concurrent enrollment in literary, testimony, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar jury charge material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on jury charge and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

- Apply machine-writing skills on legal, medical, and technical terminology.

- Demonstrate natural, smooth read back of shorthand notes.

- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

- Build, maintain, and implement personal and job dictionaries for Realtime translation.

- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 144 - Machine Shorthand Medical QA 120 wpm

Credits: 4

Develops skill in writing two-voice medical testimony dictation and reading notes with practice on new and familiar material at 120 wpm with a minimum of 95% accuracy.

Enrollment Requirement: Instructor consent; and concurrent enrollment in literary, jury charge, and testimony dictation courses.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar medical testimony material at registered speed level on the shorthand machine.
- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.
- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.
- Execute their machine-writing skills on medical and technical words.
- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events,
geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and
execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 150 - Computer-Aided Transcription-Beginning

Credits: 4

Teaches students the basic care and maintenance of computer hardware and CAT writers, as well as an understanding of computer technology. Students learn the necessary steps to produce a transcript, including how to read, translate, edit and print transcripts through hands-on techniques using Case Catalyst software. Includes discussions of other software and applications. Covers psychology of real-time writing, utilization of resource materials preparatory to writing real-time, updating dictionaries, file maintenance, and litigation support ASCII disks, keyword indexes. Course requires previous computer familiarity.

Enrollment Requirement: CRC 142 and CRC 143 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the basic care and maintenance of the computer hardware and shorthand machine.

- Utilize system support (customer service, software support, etc.) effectively and appropriately.

- Operate a computer-aided transcription system for basic transcript production.

- Create and maintain efficient CAT habits: building a dictionary. updating dictionaries, backing up and deleting files, formatting, using parentheses and including/merge files and creation of ASCII disks.

- Produce a 5-page, first pass transcript with a goal of 95% translation rate.

- Produce a salable transcript of at least 10 pages on a computer-aided transcription system from the students own stenographic notes to include the following:

Title page
Index
Jury charge/opening and/or closing statements, if applicable
Direct and cross-examination
Parentheticals
Colloquy
Certification page
Signature page, if applicable

Program Outcomes

Read, write, and understand a Realtime theory.
Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
Apply machine-writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 151 - Computer-Aided Transcription-Advanced

Credits: 3

Students receive instruction in advanced features of Computer-Aided Transcription (CAT) software. Students learn the steps to produce advanced elements of a verbatim transcript through hands-on techniques using CaseCATalyst software. Course includes an overview of other software and their applications. Covers advanced real-time writing options and features, resource material prior to writing real-time, dictionary maintenance, exhibit, and keyword indexes, custom include files, custom page layouts, and number

conversion features. Course requires previous use of CaseCATalyst or other CAT software.

Enrollment Requirement: CRC 150 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the basic care and maintenance of the computer hardware and shorthand machine.
- Utilize system support (customer service, software support, etc.) effectively and appropriately.
- Operate a computer-aided transcription system for advanced transcript production, including creation of indexes, include files, concordance indexes, and use of custom page layouts.
- Create and maintain efficient CAT habits: building a dictionary, updating dictionaries, backing up and deleting files, formatting, using parentheticals and include files, and creating ASCII files.
- Operate a CAT system for Realtime output, including use of Realtime display and translation options and the use of power definitions from the steno keyboard.
- Produce two 10-page saleable transcripts with a goal of 95% translation rate, including the following elements: title page, index, oath, examination, parentheticals, colloquy, certificate, signature page, and keyword index.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 177 - Court Reporting/Captioning Work Experience 1

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

CRC 178 - Court Reporting/Captioning Work Experience 2

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 179 - Court Reporting/Captioning Work Experience 3

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 211 - Machine Shorthand Literary 140 wpm

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 140 wpm with a minimum of four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 141 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in testimony, jury charge, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.
- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.
- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.
- Execute their machine-writing skills on literary and technical words.
- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.
- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.
- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 212 - Machine Shorthand Testimony 140 wpm

Credits: 4

Develops skill in writing two-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 140 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 142 with a grade of 2.0 or higher; and instructor consent; concurrent enrollment in literary, jury charge, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.
- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.
- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.
- Execute their machine-writing skills on testimony and technical words.
- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.
- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.
- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 213 - Machine Shorthand Jury Charge 140 wpm

Credits: 4

Develops skill in writing jury charge dictation and reading notes with practice on new and familiar material. Students should attain 140 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 143 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in literary, testimony, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar jury charge material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on jury charge and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 214 - Machine Shorthand Medical QA 140 wpm

Credits: 4

Develops skill in writing two-voice medical testimony dictation and reading notes with practice on new and familiar material at 140 wpm with a minimum of 95% accuracy.

Enrollment Requirement: CRC 144 or instructor consent; and concurrent enrollment in literary, jury charge, and testimony courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar medical testimony material at registered speed level on the shorthand machine.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on medical and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 221 - Machine Shorthand Literary 160 wpm

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 160 wpm with a minimum of four tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 211 with a grade of 2.0 or higher; and instructor

consent; and concurrent enrollment in testimony, jury charge, and medical dictation course.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription. Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on literary and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 222 - Machine Shorthand Testimony 160 wpm

Credits: 4

Develops skill in writing two-voice and multi-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 160 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 212 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in literary, jury charge, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on testimony and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 223 - Machine Shorthand Jury Charge 160 wpm

Credits: 4

Develops skill in writing jury charge dictation and reading notes with practice on new and familiar material. Students should attain 160 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 213 with a 2.0 and instructor consent; and concurrent enrollment in literary, testimony, and medical dictation courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar jury charge material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on jury charge and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 224 - Machine Shorthand Medical QA 160 wpm

Credits: 4

Develops skill in writing two-voice medical testimony dictation and reading notes with practice on new and familiar material at 160 wpm with a minimum of 95% accuracy.

Enrollment Requirement: CRC 144 or instructor consent; and concurrent enrollment in literary, jury charge, and testimony dictation course.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar medical testimony material at registered speed level on the shorthand machine.
- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.
- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.
- Execute their machine-writing skills on medical and technical words.
- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 250 - Court Reporting Procedures 1

Credits: 5

Prepares students for the reporting profession and related jobs. Topics include professional responsibilities and ethics, professional associations, professional image and dress, notary public, reference materials including methods of researching medical information, psychological and physical diseases, and drugs, deposition procedures, transcript preparation and format, marking exhibits, indexing and storing steno notes, and reporting techniques. Covers punctuating the spoken word, vocabulary building, capitalization, and proofreading.

Enrollment Requirement: CRC 142 and CRC 143 and CRC 151 and ENGL 105 and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate court reporting skills, including punctuation, procedures, special problems, reference materials, ethics, and beyond.
- Produce professional transcripts from dictation, as well as play-acting for deposition situations.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

CRC 251 - Court Reporting Procedures 2

Credits: 5

Covers more advanced reporting procedures, such as court transcripts and procedures, overview of video equipment in depositions and trials, state and federal judicial system, civil and criminal law and the trial process, administrative hearings, dictating a transcript, reporting interpreted proceedings including administering the oath, voir dire proceedings, polling of the jury, daily copy, computer-aided transcription, computer-integrated courtroom, and types of reporting possibilities. Students participate in mock depositions and trials. Stresses all punctuation aspects and proofreading.

Enrollment Requirement: CRC 142 and CRC 143 and CRC 151 and CRC 250 and ENGL 105 all with grades of 2.0 or higher and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Prepare verbatim transcripts correctly punctuated, spelled, and typed following NCRA guidelines.
- Demonstrate the role of the freelance reporter and examination before trial.
- Demonstrate the role of the official reporter and the judicial system.
- Develop communication skills necessary to interact effectively with judges, court personnel, attorneys, and witnesses.
- Analyze, apply, and evaluate applicable rules of grammar, punctuation, and spelling in the preparation of transcripts.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 260 - Introduction to Captioning/Alternative Careers

Credits: 3

Teaches students the various types, applications, and environments of captioning, as well as the necessary equipment and setup required for each method. Students gain an understanding of the Americans with Disabilities Act and the FCC Telecommunications Act and their effect on captioners and court reporters. Gives students an overview of deaf culture awareness and sensitivity issues, as well as an overview of additional high-tech career options within the reporting industry, including medical/legal transcription, and CART reporting.

Enrollment Requirement: Instructor consent.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the various types of captioning applications.
- Demonstrate knowledge of equipment requirements and setup for the captioning environment.
- Demonstrate knowledge of Internet applications as they relate to preparation and research for Realtime and postproduction captioning.
- Comprehend and interpret the Americans with Disabilities and FCC Telecommunications Acts.
- Identify the various job demands and requirements for scoping; text entry; medical/legal transcription; broadcast, internet and educational captioning.
- Build and maintain efficient Realtime skills for a variety of alternative career environments.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 294 - Special Topics-CRC 1

Credits: 1-16

Students study and train to meet established needs in court reporting and captioning practices. Course content varies each time it is offered. Intended to meet the needs of each student.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 295 - Special Topics-CRC 2

Credits: 1-16

Students study and train to meet established needs in court reporting and captioning practices. Course content varies each time it is offered. Intended to meet the needs of each student.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 311 - Machine Shorthand Literary 180 wpm

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 180 wpm with a minimum of three tests at 96 percent accuracy in transcription.

Enrollment Requirement: Admission into BAS in Realtime Reporting: Court Reporting & Captioning program; concurrent enrollment in testimony, jury charge, and Certification Prep dictation courses; or instructor consent.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of three tests at 96% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on literary and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.
Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
Apply machine-writing skills on legal, medical, and technical terminology.
Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 312 - Machine Shorthand Testimony 180 wpm

Credits: 4

Develops skill in writing two-voice testimony and multi-voice dictation and reading notes with practice on new and familiar material. Students should attain 180 wpm with a minimum of four tests at 95% accuracy in transcription. Class listed in impact report does not exist.

Enrollment Requirement: Admission into BAS in Realtime Reporting: Court Reporting & Captioning program; concurrent enrollment in testimony, jury charge, and Certification Prep dictation courses; or instructor consent.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on testimony and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 313 - Machine Shorthand Jury Charge 180 wpm

Credits: 4

Develops skill in writing jury charge dictation and reading notes with practice on new and

familiar material. Students should attain 180 wpm with a minimum of four tests at 95% accuracy in transcription.

Enrollment Requirement: Admission into BAS in Realtime Reporting: Court Reporting & Captioning program; concurrent enrollment in testimony, jury charge, and Certification Prep dictation courses; and instructor consent.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar jury charge material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on jury charge and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

- Apply machine-writing skills on legal, medical, and technical terminology.

- Demonstrate natural, smooth read back of shorthand notes.

- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

- Build, maintain, and implement personal and job dictionaries for Realtime translation.

- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 314 - Certification Preparation 1

Credits: 4

Prepares students for Washington State Certified Court Reporter examination and Registered Professional Reporter Examination-Literary portion through mock CCR and RPR-LT examinations. Students continue to strengthen writing skills during multivocal dictation and practice the role of court reporter during mock depositions and mock trials. Students develop critical-thinking skills pertaining to court reporting situations.

Enrollment Requirement: Admission into BAS in Realtime Reporting: Court Reporting & Captioning program; concurrent enrollment in testimony, jury charge, and Certification Prep dictation courses; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain testing experience from taking mock CCR and RPR-LT examinations.
- Demonstrate how to act as a court reporter during mock depositions and mock trials.
- Demonstrate critical thinking skills pertaining to court reporting situations.
- Develop skill in writing two-voice, multi-voice testimony, and literary and reading notes with practice on new and familiar material.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 321 - Machine Shorthand Literary 200 wpm

Credits: 4

Develops skill in writing literary dictation and reading notes with practice on new and familiar material. Students should attain 200 wpm with a minimum of two tests at 95 percent accuracy in transcription.

Enrollment Requirement: CRC 311 with a grade of 2.0 or higher; and instructor consent; concurrent enrollment in testimony, jury charge, and certification prep dictation courses; or instructor consent.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar literary material at registered speed level on the shorthand machine for five (5) minutes with a minimum of two tests at 95% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on literary and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 322 - Machine Shorthand Testimony 200 wpm

Credits: 4

Develops skill in writing two-voice and multi-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 200 wpm with a minimum of three tests at 96% accuracy in transcription.

Enrollment Requirement: CRC 312 with a grade of 2.0 or higher; and instructor consent; concurrent enrollment in literary, testimony, and certification prep courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of three tests at 96% accuracy in transcription.

Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

Execute their machine-writing skills on testimony and technical words.

Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 323 - Machine Shorthand Jury Charge 200 wpm

Credits: 4

Develops skill in writing jury charge dictation and reading notes with practice on new and familiar material. Students should attain 200 wpm with a minimum of three tests at 96% accuracy in transcription.

Enrollment Requirement: CRC 313 with a grade of 2.0 or higher; and instructor consent; concurrent enrollment in literary, testimony, and certification prep courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar jury charge material at registered speed level on the shorthand machine for five (5) minutes with a minimum of four tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on jury charge and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

- Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

- Apply machine-writing skills on legal, medical, and technical terminology.

- Demonstrate natural, smooth read back of shorthand notes.

- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

- Build, maintain, and implement personal and job dictionaries for Realtime translation.

- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 324 - Certification Prep 2

Credits: 4

Further prepares students for Washington State Certified Court Reporter examination and Registered Professional Reporter examination-Jury Charge portion through mock CCR and RPR-JC examinations. Students continue to strengthen writing skills during multivocal dictation and practice the role of a court reporter during mock depositions and mock trials. Students develop critical-thinking skills pertaining to court reporting situations.

Enrollment Requirement: CRC 314 or instructor consent; and concurrent enrollment in literary, testimony, and jury charge dictation courses.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain testing experience from taking mock CCR and RPR-JC examinations.
- Demonstrate how to act as a court reporter during mock depositions and mock trials.
- Demonstrate critical thinking skills pertaining to court reporting situations.
- Develop skill in writing two-voice, multi-voice testimony, and jury charge dictation and reading notes with practice on new and familiar material.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 350 - Reporting Intern

Credits: 2

Provides students experiential learning through real-world practice working with industry professionals in professional settings related to their field of interest. Students apply critical-thinking skills pertaining to court reporting situations.

Enrollment Requirement: CRC 322 with a grade of 2.0 or higher and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply Realtime skills writing in freelance, courtroom, and Realtime environments.
- Compose a written narrative report summarizing observations and the internship experience in judicial and educational environments. The narrative will consist of a minimum of two pages detailing new terminology encountered, new experiences and activities/processes.
- Prepare 40 pages of a complete and accurate transcript for evaluation taken from the freelance, official, or Realtime reporting internship.
- Submit the signed 40 hours of internship verification form(s).

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.
Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
Build, maintain, and implement personal and job dictionaries for Realtime translation.
Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 360 - Captioning Practicum I

Credits: 4

Introduces applications and environments of captioning and CART equipment and software considerations. Industry-approved guidelines for captioning preparation, formats, and methods of presentation, text placement, presentation rate, and special considerations are covered. Dictionary entries, prefixes/suffixes, fingerspelling, building endurance, practice strategies, internet-based research are covered. Hands-on captioning simulation utilizing audio/video drills. Previous completion of 160 wpm literary required.

Enrollment Requirement: Admission into the BAS in Realtime Reporting: Court Reporting & Captioning program; CRC 221; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify the various styles and parameters of captioning and the appropriate usage of each.

Identify the various equipment setups necessary for broadcast captioning including captioner and station equipment and software requirements and the maintenance thereof.

Integrate the characteristics of successful captioners including editing on the fly, finger spelling, dictionary building and maintenance.

Employ research and reference tools for on-air broadcast captioning.

Execute the various steps required in captioning prep for an on-air session.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CRC 361 - Captioning Practicum 2

Credits: 4

Hands-on experience simulating the captioning environment. Focuses on the captioning process from job assignment, research, dictionary prep, writing session, and file review for quality control. Emphasizes dictionary building and maintenance in current local, national, and international news, politics and government, sports, food, arts and entertainment, and other related topics.

Enrollment Requirement: CRC 360 and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze and create dictionary entries specific to the captioning environment, to include fifteen hours of research and dictionary preparation.

- Identify word boundary issues and how to resolve them.

- Demonstrate accurate translation of numbers.

- Set up and operate equipment necessary for on-site/remote Realtime captioning.

- Utilize resource materials to prepare for writing Realtime.

- Apply Realtime writing skills at various speeds with emphasis on accuracy to include:

 - Completion of 25 hours of writing time on campus, off-site, or remotely under the supervision of an institutional instructor or practicing captioner.

 - Submit an unedited Realtime translation of two 30-minute segments on varied topics with variable speeds of 180-200 wpm with a goal of 96 percent accuracy or higher.

Program Outcomes

- Read, write, and understand a Realtime theory.

- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

- Apply machine-writing skills on legal, medical, and technical terminology.

- Demonstrate natural, smooth read back of shorthand notes.

- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

- Build, maintain, and implement personal and job dictionaries for Realtime translation.

- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CRC 412 - Machine Shorthand Testimony 225 wpm

Credits: 4

Develops skill in writing two-voice and multi-voice testimony dictation and reading notes with practice on new and familiar material. Students should attain 225 wpm with a minimum of three tests at 95% accuracy in transcription.

Enrollment Requirement: CRC 322 with a grade of 2.0 or higher; and instructor consent; and concurrent enrollment in literary, jury charge, and certification prep courses.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write unfamiliar testimony material at registered speed level on the shorthand machine for five (5) minutes with a minimum of three tests at 95% accuracy in transcription.

- Demonstrate the ability to read back from shorthand notes, quickly locating portions to be read, maintaining composure while reading, and reading distinctly and with authority.

- Demonstrate the ability to read from perfect copy shorthand notes at a rapid speed of an expanded and more difficult vocabulary.

- Execute their machine-writing skills on testimony and technical words.

- Implement and perfect their transcription skills with emphasis on proofreading, researching proper names and unfamiliar vocabulary, and using correct spelling and punctuation.

- Demonstrate their knowledge of local, national, and international current events, geography, and cultural diversity issues through assessments.

Integrate their working English vocabulary into steno-based writing conventions through systematic testing.

Program Outcomes

Read, write, and understand a Realtime theory.

Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.

Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.

Apply machine-writing skills on legal, medical, and technical terminology.

Demonstrate natural, smooth read back of shorthand notes.

Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.

Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.

Build, maintain, and implement personal and job dictionaries for Realtime translation.

Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 414 - Certification Prep 3

Credits: 4

Prepares students for Registered Professional Reporter examination - Testimony portion and Certified Realtime Reporter examination through mock RPR-QA and CRR examinations. Students will continue to strengthen writing skills during multivocal dictation and practice the role of a court reporter during mock depositions and mock trials. Students will develop critical-thinking skills pertaining to court reporting situations.

Enrollment Requirement: CRC 324 or instructor consent; and concurrent enrollment in testimony dictation course.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain testing experience from taking mock CCR and RPR-QA examinations.
- Demonstrate how to act as a court reporter during mock depositions and mock trials.
- Demonstrate critical thinking skills pertaining to court reporting situations.
- Develop skill in writing two-voice and multi-voice testimony dictation and reading notes with practice on new and familiar material.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 450 - Certified Realtime Captioner Prep/Testing 1

Credits: 3

Prepares students for Certified Realtime Captioner examination. Students will develop critical thinking skills pertaining to captioning situations related to the Realtime Writing and Language Skills domains of the Written Knowledge Test portion of the CRC exam. Students will strengthen writing skills during 5-minute and 15-minute literary takes at 180 wpm.

Enrollment Requirement: CRC 361 and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply critical thinking skills related to captioning environments.
- Demonstrate knowledge and application of Realtime Writing and Language Skills domains of the Certified Realtime Captioner exam.
- Pass three 15-minute literary broadcast material takes at 180 wpm at 96 percent accuracy or higher.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 451 - Certified Realtime Captioner Prep/Testing 2

Credits: 3

Further prepares students for Certified Realtime Captioner examination. Students will develop critical thinking skills pertaining to captioning situations related to the Broadcast Captioning Environment, CART Captioning Environment, and Research domains of the Written Knowledge Test portion of the CRC exam. Students will continue strengthening writing skills during 5-minute and 15-minute literary takes at 180 wpm.

Enrollment Requirement: CRC 450 with a grade of 2.0 or higher and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply critical thinking skills related to captioning environments.
- Demonstrate knowledge and application of Broadcast Captioning Environment, CART Captioning Environment, and Research domains of the Certified Realtime Captioner exam.
- Pass three 15-minute literary broadcast material takes at 180 wpm at 96 percent accuracy or higher.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.
- Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.
- Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CRC 490 - Professional Portfolio

Credits: 3

Students engage in reflective learning in consultation with faculty, focusing on personal and career growth. Students integrate and synthesize learning competencies from across the degree program and demonstrate the ability to analyze individual professional leadership skills. Students will create a final professional portfolio documenting self-evaluation, needs analysis, goal setting, career planning in Realtime court reporting or captioning, and lifelong learning.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze and assess individual professional leadership skills.
- Create a narrative of learning, biographical snapshot, and personal narrative.
- Identify educational and career goals.
- Create a professional resume.
- Document prior learning experience, if applicable.

Program Outcomes

- Read, write, and understand a Realtime theory.
- Write unfamiliar two-voice and multi-voice testimony, literary, and jury charge, material.
- Demonstrate the ability to write increased level of vocabulary, including legal and medical vocabulary.
- Apply machine-writing skills on legal, medical, and technical terminology.
- Demonstrate natural, smooth read back of shorthand notes.
- Demonstrate correct spelling, punctuation, proofreading skills, and English in the production of typed material.
- Demonstrate and apply knowledge of Realtime technology through the production of transcripts and/or captions.
- Build, maintain, and implement personal and job dictionaries for Realtime translation.
- Demonstrate knowledge of international, national, and local current events, geography, and cultural diversity issues.

Perform the role of professional reporter or captioner in simulated exercises and execute all required tasks.

Apply the NCRA Code of Professional Ethics in all writing activities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Computer Science

CS 108 - Data Science Foundations

Credits: 5

Hands-on introduction to data science for everyone, no previous experience is required. Students learn how to collect, compute, analyze, and visualize data to better understand the world we live in.

Enrollment Requirement: Eligible for MATH 97 or higher; and eligible for ENGL& 101; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Create a computational artifact using computing tools and techniques to solve a problem.

- Collaborate in the creation of computational artifacts or when writing a program.

- Develop an abstraction when writing a program or creating computational artifacts.

- Find patterns and test hypotheses about digitally processed information to gain insight and knowledge.

- Explain the insight and knowledge gained from digitally processed data by using appropriate visualizations, notations, and precise language.

- Summarize information from data to explain patterns or trends using descriptive statistics.

- Manage, clean, summarize and visualize simple data sets.

Program Outcomes

Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.

Give reasons for conclusions, assumptions, beliefs, and hypotheses.

Evaluate and interpret quantitative and symbolic reasoning information/data.

Implement calculator/computer technology to solve problems.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 109 - Data Science for Social Good

Credits: 5

Hands-on introduction to data science for everyone, focusing on using data for social good. Learn how to collect, compute, analyze, and visualize data to discover trends and gain insight and knowledge on issues of equity and the impacts of socioeconomic inequalities. Build data-driven cases to advocate for social change and justice. No previous experience is required.

Enrollment Requirement: Eligible for MATH 97 or higher; and eligible for ENGL& 101; or instructor consent.

Satisfies Requirement: Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Create a computational artifact using computing tools and techniques to solve a problem.

- Collaborate in the creation of computational artifacts or when writing a program.

- Develop an abstraction when writing a program or creating computational artifacts.

- Manage, clean, summarize and visualize simple data sets relating to social issues.

- Summarize information from data to explain patterns or trends in social issues using descriptive statistics.

- Find patterns and test hypotheses about digitally processed information to gain insight and knowledge on issues of equity and the impacts of socioeconomic inequities.

- Explain the insight and knowledge gained from digitally processed data by using appropriate visualizations, notations, and precise language to build a case for advocacy for social change and justice.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.
- Evaluate and interpret quantitative and symbolic reasoning information/data.
- Implement calculator/computer technology to solve problems.

College-wide Outcomes

- Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 121 - Computer Programming 1

Credits: 5

Introduction to computer programming for students without previous programming experience. Includes procedural programming with primitive data types, control structures (loops, conditionals), methods/functions, and arrays.

Enrollment Requirement: Eligible for MATH& 107 or higher; or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design, implement, document, test and debug computer code while using an IDE.
- Write comments for the computer code correctly for human understanding.
- Use variables, constants and various data types in computer programs correctly within the appropriate scope of the variable.
- Write a pseudo-code and be able to break a large problem into smaller parts, writing each part as a method and then convert written pseudo-code to actual programming code that will run and solve the indicated problem.
- Understand the differences between syntax errors, runtime errors and logic errors and be able to debug each type.
- Create methods with single and multiple arguments and return values.

Program Outcomes

- Provide detailed and accurate descriptions of various physical systems.
- Solve multi-step problems in physical analysis.
- Identify pertinent elements of physical systems and problems.
- Design meaningful experiments and clearly report their conclusions.
- Interpret scientific data including the results of experiments designed by others.
- Apply mathematical tools to the solution of complex problems.

Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 122 - Computer Programming 2 - Java Objects

Credits: 5

Computer programming for students with some previous programming experience. Emphasizes program design, style, and decomposition. Topics covered include object-oriented programming, introduction to memory models, inheritance, polymorphic behavior and the use of data structure interfaces. All within the Java programming language system.

Enrollment Requirement: CS 121 with grade of 1.0 or higher; or Instructor verification of prior programming experience.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the philosophy of object-oriented design and the concepts of encapsulation, abstraction, inheritance, and polymorphism.

- Employ advanced inheritance concepts in programming to link common data types together and simplify their construction.

- Create and use abstract classes in programming applications to solve computer science problems.

- Solve computer science problems using java collection classes, interfaces and methods.

- Design, implement, and test the implementation of relationships among objects using a class hierarchy and inheritance.

Program Outcomes

- Provide detailed and accurate descriptions of various physical systems.

- Solve multi-step problems in physical analysis.

- Identify pertinent elements of physical systems and problems.

Design meaningful experiments and clearly report their conclusions.
Interpret scientific data including the results of experiments designed by others.
Apply mathematical tools to the solution of complex problems.
Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 123 - Computer Programming 3 - Java Data Structures

Credits: 5

Computer programming using the Java language that focuses on the implementation and analysis of elementary data structures (array-list, linked list, binary search tree, etc.) and related algorithms. Introduces recursion, linked lists, references, as tools in the development of these structures.

Enrollment Requirement: CS 122 with grade of 1.0 or higher; or instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design and implement the underlying data structures used by the traditional list, set and map implementations used in Java.
- Describe, implement and debug simple algorithms using the concept of recursion as a tool for data structure implementation.
- Study complexity and performance tradeoffs using classical algorithms and correct notation such as Big-O.
- Demonstrate the ability to combine multiple aspects of the design process to implement a solution to a computer science problem.

Program Outcomes

- Provide detailed and accurate descriptions of various physical systems.
- Solve multi-step problems in physical analysis.
- Identify pertinent elements of physical systems and problems.
- Design meaningful experiments and clearly report their conclusions.

Interpret scientific data including the results of experiments designed by others.
Apply mathematical tools to the solution of complex problems.
Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS& 131 - Computer Science I C++

Credits: 5

C++ programming language is used to illustrate concepts in engineering and computer science. Introduces students to problem solving methods, and algorithm development and object-oriented design. Students design, implement, document, and debug C++ computer programs.

Enrollment Requirement: MATH& 142 or higher with grades of 2.5 or higher; or instructor consent.

Satisfies Requirement: Natural Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design, implement, document, test and debug C++ computer code while using an IDE.
- Use variables, constants and various data types in C++ programs correctly within the appropriate scope of the variable for both data retrieval and data use.
- Create methods with single and multiple arguments and return values.
- Correctly use standard C++ commands in written programs.
- Create, initialize, and access single and multidimensional arrays as appropriate for C++ programs.
- Correctly access memory locations via the use of pointers and manipulate the data contained within in the context of a C++ program.
- Correctly comment the computer code correctly for human understanding.

Program Outcomes

Provide detailed and accurate descriptions of various physical systems.
Solve multi-step problems in physical analysis.
Identify pertinent elements of physical systems and problems.
Design meaningful experiments and clearly report their conclusions.
Interpret scientific data including the results of experiments designed by others.
Apply mathematical tools to the solution of complex problems.
Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 132 - C++ Data Structures

Credits: 5

A continuation of CS& 131. Uses C++ data structure to illustrate concepts in computer science. Students organize and write C++ language computer programs to obtain the solutions to assigned problems. Emphasizes use of common data structures, abstract data types, inheritance, modularity, encapsulation, and recursion. Students learn to understand, design and implement medium-sized programs.

Enrollment Requirement: CS& 131 and MATH& 151 with grades of 2.5 or higher.

Satisfies Requirement: Natural Science

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Design and solve algorithms using the C++ standard template library, including stacks, queues, sets, maps (tables), extendable arrays.

Organize data in memory by the use of pointers and dynamic data static allocation vs. stack allocation vs. heap allocation and describe the differences.

Describe the concept of recursion and implement, test, and debug simple recursive functions and procedures.

Implement, describe, and contract simple data structure representations such as linked lists and binary trees.

Analyze algorithms using Big-0 notation in comparison of common implementations of sorting algorithms.

Implement user-defined data structures and expand them into fully featured objects.

Implement overloaded class operators on user-defined data structures and incorporate them into standard libraries.

Program Outcomes

Provide detailed and accurate descriptions of various physical systems.

Solve multi-step problems in physical analysis.

Identify pertinent elements of physical systems and problems.

Design meaningful experiments and clearly report their conclusions.

Interpret scientific data including the results of experiments designed by others.

Apply mathematical tools to the solution of complex problems.

Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 170 - Linear Algebra for Data Analysis

Credits: 5

Designed for engineering and computer science students, this course offers a comprehensive overview of linear algebra concepts and theories. Both abstract and practical aspects of linear algebra will be covered, with the goal of giving students a strong understanding of the principles and their real-world applications.

Enrollment Requirement: Eligible for college level mathematics (Math 100 or higher) and CS 121 or CS& 131 or CS& 141 or SDEV 218 or higher programming class; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Provide a comprehensive understanding of the concepts and methods of linear algebra including topics such as Gauss-Jordan elimination, vector spaces, eigenvalues, eigenvectors, vector spaces, linear transformations.

Develop abstract thinking skills and the ability to apply linear algebra concepts to real-world problems.
Enhance problem-solving skills through a variety of application-based examples and exercises.
Provide a solid foundation in linear algebra principles for students interested in mathematics, engineering, physics, computer science, and other related fields.
Offer hands-on experience with computer-based activities to deepen understanding and application of linear algebra concepts.

Program Outcomes

Provide detailed and accurate descriptions of various physical systems.
Solve multi-step problems in physical analysis.
Identify pertinent elements of physical systems and problems.
Design meaningful experiments and clearly report their conclusions.
Interpret scientific data including the results of experiments designed by others.
Apply mathematical tools to the solution of complex problems.
Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

CS 202 - Discrete Structures 1

Credits: 5

Covers set theory, relations, functions, formal logic, constructing proofs, computing with base-n numbers, combinatorics, and discrete probability with applications in Python as tools for advanced mathematics and computer science.

Enrollment Requirement: CS 121 or CS& 131 or CS& 141 or SDEV 218 or higher programming class; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Use logical notation to define and reason about fundamental mathematical concepts such as sets, relations, functions, and integers.
Understand and use induction hypotheses and simple induction proofs.

Use the elementary properties of modular arithmetic and explain their applications in computer science (cryptography, hashing algorithms)
Apply graph theory models of data structures and state machines to solve classical computer science problems using Python. (e.g. scheduling)
Calculate the possible outcomes of combinatorial processes such as permutations and combinations with assist from Python.
Calculate probabilities and discrete distributions for simple combinatorial processes using Python.
Problem solve and study in a small team with fellow students.

Program Outcomes

Provide detailed and accurate descriptions of various physical systems.
Solve multi-step problems in physical analysis.
Identify pertinent elements of physical systems and problems.
Design meaningful experiments and clearly report their conclusions.
Interpret scientific data including the results of experiments designed by others.
Apply mathematical tools to the solution of complex problems.
Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Cooperative Education

COOP 171 - Work Experience Seminar

Credits: 1

Supplements and enhances on-the-job work experience through projects, films, and research. The basic content of the course reflects issues that are general to the world of work. Serves as a guideline for students as they go through the employment cycle of setting goals, researching careers, applying for and getting jobs, and getting familiar with workplace issues.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Criminal Justice

CJ& 101 - Introduction to Criminal Justice

Credits: 5

An introductory survey of the American criminal justice system that examines the history, structure, operations, and ethical issues within the criminal justice system. Students will survey aspects of criminal law, criminal procedures, law enforcement agencies, the criminal courts, and corrections (both institutional and community-based).

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate a knowledge of the four major areas of the criminal justice system: policing, courts, corrections, and the juvenile justice system, and the history of those components.

Explain the various types of crime and criminals, the numerous theories of crime causation, and the relationship between crime and its various correlations.

Explain the role of policing in a modern society and its impact on multicultural communities.

Discuss the impact of bias, discrimination, and ethical standards on the criminal justice system as it relates to social justice reform.

Summarize the goals, organizations, and procedures of the criminal justice system through a multicultural lens.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CJ& 105 - Introduction to Corrections

Credits: 5

Course focuses on the historical ideologies of punishment and major programs developments within the corrections component of the criminal justice system. It includes the development of the penitentiary, the philosophy of incarceration, analysis of probation, and the benefits of community corrections.

Enrollment Requirement: CJ& 101 and ENGL& 101 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain and discuss the early developments of corrections from the Middle Ages to modern day corrections and identify the purposes of punishment.

- Compare and contrast the major differences between jails, prisons, probation, intermediate sanctions, and community corrections.

- Describe trends in sentencing disparities, including factors that led to mass incarceration and implications in the BIPOC community.

- Describe the issues regarding women's incarceration and the impact on their families.

- Identify the major challenges in contemporary corrections, including the rise in mental disorders, the LBGTQIA community, and wrongful convictions

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

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CJ& 106 - Juvenile Justice

Credits: 5

Introduces basic concepts, theories, principles and an historical overview of the criminal process as they relate to the formal and informal adjudication of violent, serious, and chronic juvenile offenders.

Enrollment Requirement: CJ& 101 and ENGL& 101 or 126/127/128/235 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Distinguish the differences between the adult and juvenile justice systems.

- Identify the nine Supreme Court cases which have shaped critical issues in the Juvenile Justice System.

- Identify milestones in the development of the Juvenile Justice System.

- Identify the basic procedures associated with the adjudication of Juvenile court cases.

- Recognize and understand the problems and issues associated with measuring Juvenile Crime and Victimization.

- Identify the aspects of the Diversion and Intake process of Juvenile Justice.

- Identify and discuss the goals and processes of Juvenile Probation and Parole.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

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CJ& 110 - Criminal Law

Credits: 5

Examines criminal laws such as federal, state, and county laws. Focuses on criminal laws and their impact through selective enforcement by criminal justice officials. Gives special attention to substantive criminal law.

Enrollment Requirement: CJ& 101 and ENGL& 101 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify criminal laws and examine the rules of criminal responsibility.
- Apply critical thinking skills in order to gain an understanding of prevailing issues in criminal law, with an emphasis on majority opinions.
- Apply criminal laws to specific situations.
- Demonstrate the knowledge associated with basic criminal law and apply written communication skills in order to write case briefs.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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responsibilities which will enable them to work successfully individually and with others.

CJ& 112 - Criminology

Credits: 5

Surveys the study of crime, causation, and criminals. Topics include types and characteristics of offenders and criminal behaviors, recidivism, environmental influences, diagnostic methods, prediction, prevention, and social policy.

Enrollment Requirement: CJ& 101 and ENGL& 101 or 126/127/128/235 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Define, recognize, and explain, key concepts related to the field of study called Criminology.

- Explain the various methods of measuring crime, including the techniques of scientific methodology employed in each measure, the strengths and weakness characteristic of each measure, and the sociological, political, and economic usefulness of each measure.

- Distinguish and explain the principal theories that attempt to explain various criminal behavior patterns that exist in the United States.

- Compare and contrast the crime rate in the United States with that of other industrialized countries around the world.

- Use theory to explain criminal behavior as it is commonly portrayed in the movies.

- Identify the authors of the principal theories that attempt to explain various criminal behavior patterns.

- Describe and articulate the historical development of criminological theories as they occurred and progressed throughout the world.

- Critically analyze, compare and contrast the basic approaches to the control of crime utilized in this country.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CJ 115 - Fingerprint Science

Credits: 5

Provides an overview of basic fingerprint identification and its application in the criminal justice system. Students learn proper techniques for recording fingerprints, classifying based on the Henry Classification System, fundamentals of evidence collection and processing. Examines legal challenges and courtroom testimony.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify basic concepts and knowledge of the science of fingerprints.

- Understand the Henry Classification Formula.

- Compare inked prints accurately.

- Recognize different techniques of print recognition, evidence preservation, AFIS, and current trends in the industry.

- Apply symbolic reasoning and logic to understanding print comparison and evidence gathering techniques.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

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CJ 120 - Criminal Justice Professions

Credits: 5

Provides an introduction to the potential career opportunities and professional positions available in the criminal justice field, including law enforcement, courts, and corrections, at municipal, state, and federal levels. Intended to help students explore criminal justice professions they might not be aware of and get an overview of potential jobs in criminal justice, including research into current employment trends. Students focus on particular positions of interest, including the educational and training requirements and job-finding and hiring strategies.

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate potential career possibilities in the criminal justice field.
- Research current employment trends, and possible future development in the criminal justice field.
- Research educational, training, and hiring requirements for possible professions.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CJ 177 - Criminal Justice Work Experience 1

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Apply concepts within criminology, criminal justice and criminal law in an actual work environment.

Understand the structure, functions, and decision processes of the major institutions of society that deal with the management and control of crime and criminal offenders.

Work hand-in-hand with criminal justice professionals in learning the skills needed for a particular position.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CJ 178 - Criminal Justice Work Experience 2

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Apply concepts within criminology, criminal justice and criminal law in an actual work environment.

Understand the structure, functions, and decision processes of the major institutions of society that deal with the management and control of crime and criminal offenders.

Work hand-in-hand with criminal justice professionals in learning the skills needed for a particular position.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CJ 179 - Criminal Justice Work Experience 3

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply concepts within criminology, criminal justice and criminal law in an actual work environment.

- Understand the structure, functions, and decision processes of the major institutions of society that deal with the management and control of crime and criminal offenders.

- Work hand-in-hand with criminal justice professionals in learning the skills needed for a particular position.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

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CJ 200 - Constitutional Law

Credits: 5

Covers the historic, legal and political basis of individual rights in the United States. Analyzes search and seizure, freedom of expression, pornography, sexual harassment, arrest, and workings of the United States Supreme Court.

Enrollment Requirement: CJ& 101 and ENGL& 101 or ENGL 126/127/128/235 with a grade of 2.0 higher; or instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize the historical, legal and political bases of individual rights in the United States.

Identify laws governing substantive and procedural due process.

Discuss major U.S. Supreme Court decisions addressing course topics.

Apply the major legal doctrines associated with individual rights, especially as they relate to the criminal justice system.

Analyze and/or evaluate their own values and opinions as they relate to course topics.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CJ 205 - Criminal Evidence

Credits: 5

Examines the basic rules of evidence as they apply to the criminal justice system.

Reviews the collection, examination, and preservation of evidence for the purpose of criminal investigations and the presentation of evidence during the trial process.

Enrollment Requirement: CJ& 101 and ENGL& 101 or higher; or instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize the constitutional safeguards of criminal procedure in regard to evidence at the state and federal levels of criminal prosecutions.

Examine various classes and types of evidence for the purpose of criminal prosecutions.

Examine the proper methods for the collection of evidence in criminal investigations and courtroom presentation.

Identify major case law from the USSC as they apply to collection, preservation, and presentation of evidence.

Review written communication skills as they apply to proper documentation in criminal investigations and the trial process.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

CJ 215 - Advanced Fingerprint Identification

Credits: 5

Provides an in-depth analysis of friction ridge skin, building on basic fingerprint identification concepts from CJ 115 - Fingerprint Science. Students will make complex evaluations of ridge detail using best practices. Explore various techniques used to process evidence, document results, and testify as an expert witness.

Enrollment Requirement: CJ 115 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to correctly examine and identify latent prints and known prints.
- Recognize the appearance of palmprints, joints, and tips of the fingers in evaluating partial impressions.
- Properly document results through use of charts, written reports, and notes.
- Be familiar with several techniques used to process/ preserve evidence for latent print examination.
- Testify in a mock trial, be familiar with court procedures.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs, and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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CJ 220 - Race and Class in Criminal Justice

Credits: 5

Provides an in-depth examination of the historical challenges on race, class, and gender in the American criminal justice system, including the relationship with law enforcement, courts, and corrections. This course examines diversity that exists in the communities and the theoretical and practical information to respond effectively to diversity issues. This course addresses the marginalized groups including African Americans, LatinX Americans, Asian Americans, Native Americans, women, and the LBGTQIA+ community issues faced in the criminal justice system.

Enrollment Requirement: CJ& 101 and ENGL& 101 or higher; or instructor consent.

Satisfies Requirement: Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify and discuss the challenges of racism, systemic racism and their impact on law, crime, and justice in marginalized communities.

Articulate the concepts and differences of race, ethnicity, culture, socio-economic class, gender, disability, age, and sexual orientation in the criminal justice system.

Analyze the impact of cultural biases in the three pillars of criminal justice: law enforcement, courts, and corrections.

Recognize the disparity rates within the criminal justice system that have been historically present and currently exist.

Enhance critical thinking, research, and communication skills with regard to cultural diversity issues through a multicultural lens.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CJ 225 - Serial, Spree & Mass Killers

Credits: 5

Study of serial killers, mass murderers, and their victims. Examines the history and frequency of these crimes, profiles the killers and their victims, explores theories of causation, and discusses investigation, prosecution, punishment, and prevention.

Recommended: CJ& 101 - Introduction to Criminal Justice

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and contrast serial, mass, and spree killers.
- Discuss the motivations involved in multiple murders.
- List common characteristics of the offenders.
- Explain theories of causation by examining the history of serial, mass, and spree killers.
- Describe and explain the victimology of serial, mass, and spree killers and how it affects investigations.
- Discuss the criminal investigative analysis techniques used to solve these types of crimes.
- Examine the problems associated with investigating, apprehending, prosecuting, and punishing serial and mass murderers.
- Discuss public interest in real and fictional perpetrators.
- Determine the impact these crimes have on society as tertiary and secondary victims.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs, and hypothesis.
- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

CJ 236 - Policing

Credits: 5

Introduces students to the history and theories of policing, organizational structures (federal, state, and local), chain of command and hierarchy within policing. Includes procedures and methods of operation of police with emphasis on discretionary powers of

the working police officer, public perception of policing, ethics, and police deviance. Introduces students to career opportunities and current trends in law enforcement including diversity, equity, and inclusion with an antiracist mindset.

Enrollment Requirement: CJ& 101 and ENGL& 101 or higher; or instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Comprehend the historical development of the role, structure, styles, and functions of law enforcement organizations to present day.
- Understand the current trends in the hiring process including the importance of communication skills for law enforcement.
- Evaluate the differences between local, city, county, state, and federal police agencies.
- Analyze situations involving discretion, ethics, police culture, and misconduct.
- Explain the history of policing and hiring process as it relates to the exclusion of minority groups, and the importance of diversity and inclusion in the future of policing.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

CJ& 240 - Introduction to Forensic Science

Credits: 5

A multidisciplinary approach to the crime scene investigations and the applications of forensic science. Proper crime scene management, focusing on the ability to identify, process, collect and preserve physical evidence. To include the proper documentation of evidence and its analysis, chain of custody and courtroom presentation of expert witness scientific testimony.

Enrollment Requirement: CJ& 101 and ENGL& 101 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and perform crime scene management and preservation of evidence.
- Describe the various forms of evidence.
- Practice the proper process in identifying, collecting, and preserving physical evidence, while following chain of custody and rules of evidence.
- Discuss the various types of lab equipment and personnel utilized in forensic labs.
- Practice the importance of crime scene documentation, including developing crime scene sketches as it relates to the ability to reconstruct crime scenes for the purpose of investigation and courtroom presentation.
- Discuss the impact of bias and lack of diversity in the Forensic Sciences.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.
- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

CJ 294 - Special Topics-Criminal Justice

Credits: 5

Consists of current topics in the criminal justice field and may focus on areas in policing, corrections and other topics relevant to current trends and interests.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize current trends, special areas of interest to students, and/or other relevant topics during the current year that are timely in nature.

- Discuss major U.S. trends in crime, criminal law, criminal justice, or the courts.

- Identify and analyze current issues in criminology, the criminal justice system, and/or criminal law.

- Develop, understand, and/or evaluate their own values and opinions as they relate to course topics.

Program Outcomes

- Give reasons for conclusions, assumptions, beliefs and hypotheses.

- Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

CJ 299 - Independent Study-Criminal Justice

Credits: 1-5

Encourages students to study independently in a field they find most useful to their academic or career aspirations. Students choose an area in criminal justice and work in conjunction with instructor to study and conduct research independently.

Enrollment Requirement: Instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Work independently in a field he or she finds most useful to their academic/career endeavor.

Recognize current trends, special areas of interest to students, and/or other relevant topics during the current year that are timely in nature.

Discuss major U.S. trends in crime, criminal law, criminology or criminal justice.

Understand, read and conduct research independently with the guidance of the instructor.

Develop, understand and/or evaluate their own values and opinions as they relate to course topics.

Program Outcomes

Give reasons for conclusions, assumptions, beliefs and hypotheses.

Meet obligations necessary to complete individual and group tasks.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Dance

DANCE 101 - Introduction to Dance

Credits: 3

Emphasizes basic jazz and ballet techniques and introduces the skills and practices of both dance forms. Jazz involves body toning exercises, physical fitness, cardiovascular endurance, and strength and flexibility. Students learn short dance routines. Ballet focuses on body awareness, mental and physical discipline, balance, poise, gracefulness and rhythmic awareness, as well as an appreciation of the arts.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Enhance his or her technique, flexibility, strength, balance, endurance and rhythmic awareness.
- Demonstrate and identify dance skills and techniques, especially in terms of ballet and jazz dancing.
- Demonstrate a basic knowledge of dance vocabulary and the techniques of dance.
- Practice and demonstrate body toning exercises, related to dance.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DANCE 102 - Dance Technique 1

Credits: 3

Emphasizes jazz and ballet techniques and further develops the skills and practice of both dance forms. Jazz involves body toning exercises, physical fitness, cardiovascular endurance, strength and flexibility. Students learn short dance routines. Ballet focuses on body awareness, mental and physical discipline, balance, poise, gracefulness and rhythmic awareness, as well as building an appreciation of the arts.

Enrollment Requirement: DANCE 101 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Enhance his or her technique, flexibility, strength, balance, endurance and rhythmic awareness.
- Demonstrate and identify dance skills and techniques, especially in terms of ballet and jazz dancing.
- Demonstrate a basic knowledge of dance vocabulary and the techniques of dance.
- Practice and demonstrate body toning exercises, related to dance.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in

Performing Arts.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DANCE 103 - Dance Technique 2

Credits: 3

Emphasizes jazz and ballet techniques. Further develops the skills and practice of both dance forms. Jazz involves body toning exercises, physical fitness, cardiovascular endurance, strength and flexibility. Students learn short dance routines. Ballet focuses on body awareness, mental and physical discipline, balance, poise, gracefulness and rhythmic awareness, as well as building an appreciation of the arts.

Enrollment Requirement: DANCE 102 with a grade of 1.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Enhance his or her technique, flexibility, strength, balance, endurance and rhythmic awareness.

Demonstrate and identify dance skills and techniques, especially in terms of ballet and jazz dancing.

Demonstrate a basic knowledge of dance vocabulary and the techniques of dance.

Practice and demonstrate body toning exercises, related to dance.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DANCE 204 - Choreography Workshop

Credits: 3

Students present rehearsal and performance of dance works in concert. Students

practice advanced dance skills and develops choreography for dance pieces.

Enrollment Requirement: DANCE 101 and DANCE 102 with grades of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform ballet and jazz technique.
- Develop awareness of choreographic principles and practice.
- Experience performance-level dancing.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Drama

DRMA& 101 - Introduction to Theatre

Credits: 5

Introduces the understanding and enjoyment of the arts, theater and films. Course regards drama as one of the performing arts and not as literature.

Enrollment Requirement: Eligible for READ 104 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Define in writing their own personal aesthetic.
- Demonstrate through in-class presentation an understanding of the theatrical epochs.
- Demonstrate through class discussions an understanding of theatrical structure, genre and style.
- Demonstrate an understanding of theatre criticism by writing two production critiques.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 102 - Contemporary American Theatre

Credits: 5

Introduces the student to trends in American theatre beginning with the early 20th-Century and continuing to today. Course focuses on the evolution of American playwriting, the changes in the theatrical arts to include scene, costume, lighting and sound design. Course regards drama as one of the performing arts and not as literature.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate through text analysis an understanding of Aristotle's Components of a Play and Dramatic Structure.

Demonstrate an understanding of modern theatre criticism using the Description/Analysis/Interpretation/Evaluation model through writing 5 critiques of plays studied in class.

Demonstrate the director's specialty by conceptualizing 1 of the plays studied in class.

Show an understanding of modern technical advances in theatre by conceptualizing 1 play that is set in a specific time period, and transferring it to a modern or futuristic time period.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 103 - Musical Theatre History

Credits: 5

Examines the evolution of the musical theatre art form from the early days of European Opera in the 17th Century, Operetta, Minstrelsy, Vaudeville, Burlesque, Revue, culminating in modern adaptations such as Book, Concept, Rock, Dance, Black, Mega and Juke-Box.

Enrollment Requirement: Eligible for READ 104 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate through research papers an understanding of musical dramaturgy and composition and how it is different from non-musical structure.

Delineate the evolutionary advances of the musical theatre from Opera of the 17th Century through the 21st Century musical and select a particular style as the basis of an in-class presentation.

Critically evaluate the success or failure of particular musical productions listened to and/or watched in class.

Prepare an essay on the various creative roles in the musical to include the director, director/choreographer, composer, librettist/book writer, orchestrator and performers.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 111 - Rehearsal and Performance 1

Credits: 5

Students participate in play production and performance at an introductory level to include bit parts or ensemble members onstage; or member of a backstage crew, e.g., costumes, props, etc.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in the audition process in order to understand the manner in which one is cast in a production.

- Focus on ensemble to small roles in order to learn the necessity and importance of full participation from every member of the company for the success of the whole.

- Demonstrate a commitment to the rehearsal process by attending all rehearsals one is called to, as well as all costume fittings, and stage management requests.

- Attend weekend or weeknight performances of the rehearsed production for public presentation and demonstrate responsibility by proper personal preparation, warm-ups, make-up application and performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DRMA 112 - Rehearsal and Performance 2

Credits: 5

Students participate in play production and performance at a beginning level to include bit parts or ensemble members onstage; and/or backstage crew head on costumes, props, etc.

Enrollment Requirement: DRMA 111.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in the audition process in order to understand the manner in which one is cast in a production.

- Focus on small to featured roles in order to learn the necessity and importance of full participation from every member of the company for the success of the whole.

- Demonstrate a commitment to the rehearsal process by attending all rehearsals one is called to, as well as all costume fittings, and stage management requests.

- Attend weekend or weeknight performances of the rehearsed production for public presentation and demonstrate responsibility by proper personal preparation, warm-ups, make-up application and performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DRMA 113 - Rehearsal and Performance 3

Credits: 5

Students participate in play production and performance at an intermediate level to include featured roles in plays and musicals; and/or backstage crew head on costumes, props, etc.

Enrollment Requirement: DRMA 112.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in the audition process in order to understand the manner in which one is cast in a production.

- Focus on small to featured roles in order to learn the necessity and importance of full participation from every member of the company for the success of the whole.

- Demonstrate a commitment to the rehearsal process by attending all rehearsals one is called to, as well as all costume fittings, and stage management requests.

- Attend weekend or weeknight performances of the rehearsed production for public presentation and demonstrate responsibility by proper personal preparation, warm-ups, make-up application and performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DRMA 151 - Acting Fundamentals

Credits: 5

Presents basic approaches to acting suitable for all levels of experience including the beginning actor. Students actively participate in theatre games, storytelling, short monologues and simple scene work.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate proficiency in the fundamentals of acting by preparing 2 scenes, with a partner, to be performed in class.

Gain memorization skills by committing to memory 2 roles.

Demonstrate very basic analytical skills by completing 2 GOTE sheets, identifying Goal, Obstacle, Tactics and Expectations.

Exercise responsibility to the rehearsal process by attending class regularly, being available to their scene partners and submitting all analysis and performing on the prescribed performance dates.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 152 - Acting-Building a Character

Credits: 5

Instructs the student in elementary stage techniques for the actor/actress. Focuses on movement, voice, gesture, characteristic mannerisms and stock character types.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate proficiency in the fundamentals of acting by preparing 3 scenes, with a partner, to be performed in class.

Gain memorization skills by committing to memory 3 roles.

Demonstrate analytical skills relative to understanding character by completing 3 character histories and 3 lists of Character Bits.

Exercise responsibility to the rehearsal process by attending class regularly, being available to their scene partners and submitting all analysis and performing on the prescribed performance dates.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 153 - Acting-Text Analysis

Credits: 5

Offers the opportunity for students of varying abilities in acting to approach a role through text analysis, identifying moments, beats and units and applying Actions to those components. Students are assigned monologues and scenes to rehearse and perform concurrently with the text analysis.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proficiency in the fundamentals of acting by preparing 4 scenes, with a partner, to be performed in class.
- Gain memorization skills by committing to memory 4 roles.
- Demonstrate advanced analytical skills by identifying and labeling Super-Objective, Units, Beats and Moments.
- Exercise responsibility to the rehearsal process by attending class regularly, being available to their scene partners and submitting all analysis and performing on the prescribed performance dates.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 154 - Improvisation 1

Credits: 5

Offers students of all experience levels the opportunity to learn improvisational skills to supplement and enhance acting technique. Students actively participate in theatre games relying heavily on the technique of Viola Spolin, Paul Sills and others.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate introductory skills in improvisation by applying those skills to character development.

- Demonstrate thematic problem solving through theatre games and exercises.

- Demonstrate in-the-moment creativity by staying alert during games and assessing the changes needed for character development as the story progresses.

- Demonstrate good habits of social interaction and cooperation by working with others to create on the spot games and scenarios.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 155 - Improvisation 2

Credits: 5

Offers students of all experience levels the opportunity to learn improvisational skills to supplement and enhance acting technique. Students who have taken DRMA 154 act as team leaders in exercises. Students actively participate in theatre games relying heavily on the technique of Viola Spolin, Paul Sills and others.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate intermediate skills in improvisation by applying those skills to character development.
- Demonstrate leadership skills by taking the lead in games and scenarios.
- Demonstrate in-the-moment creativity by staying alert during games and assessing the changes needed for character development as the story progresses.
- Demonstrate theatrical cooperation through the development of camaraderie by participating in theatre games.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 156 - Improvisation 3

Credits: 5

Offers students of all experience levels the opportunity to learn improvisational skills to supplement and enhance acting technique. Students who have taken DRMA 155 act as

games facilitators and referees. Students actively participate in theatre games relying heavily on the technique of Viola Spolin, Paull Sills and others.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate advanced skills in improvisation by applying those skills to scenario and game development.
- Demonstrate leadership skills by assisting with conceptual exercises.
- Demonstrate creativity and fairness by participating as a referee in improvisational games.
- Demonstrate camaraderie by setting an example of team work while encouraging newer students to fully participate.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 157 - Audition Techniques for Stage and Film

Credits: 5

Provides students with the skill set to succeed in auditions for stage, film, and TV using scripts from those different media. Students are given instruction on proper and expected behavior when auditioning, choosing audition material, and effective techniques in contacting and maintaining relationships with industry professionals. Parts of the class are recorded allowing students to see their own work and make useful corrections.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Select appropriate audition material for him/herself in classical, contemporary, comedic and dramatic styles.

Demonstrate the appropriate audition technique for theatre in front of the class, and follow audition techniques for film by being filmed on camera.

Demonstrate the ability to maintain contacts with theatre and film industry professionals by making written or telephonic contact with casting directors or producers.

Demonstrate proper auditioning behavior by auditioning for industry professionals within a classroom setting.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 158 - Stage Combat

Credits: 5

Provides students with the skill set to succeed in different aspects of choreographed stage fighting and physical stage business. Students are given instruction on safe and expected behavior when stage fighting including how it helps tell the story, and how to work as part of an ensemble. The use of fight choreography beyond the stage is addressed, working with issues of student self-confidence and personal boundaries. Some classes are recorded on video allowing students to see their own work to make appropriate corrections.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate safe techniques of stage combat.

Demonstrate storytelling through the inclusion of stage combat within an acting scene.

Demonstrate proficiency in hand-to-hand combat and weapons combat (daggers, epee blades, etc.) through drills and examination.

Demonstrate responsibility to a fight partner by recognizing safety concerns and correcting those concerns before proceeding with combat.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

DRMA 211 - Rehearsal and Performance 4

Credits: 5

Students participate in play production and performance on an intermediate level to include featured roles in plays and musicals on stage; and/or backstage as costume designer, set designer, props master, or choreographer, etc.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Participate in the audition process in order to understand the manner in which one is cast in a production.

Focus on leading roles or stage management in order to learn the necessity and importance of full participation from every member of the company for the success of the whole.

Demonstrate a commitment to the rehearsal process by attending all rehearsals one is called to, as well as all costume fittings, and stage management requests.

Attend weekend or weeknight performances of the rehearsed production for public presentation and demonstrate responsibility by proper personal preparation, warm-ups, make-up application and performance.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DRMA 212 - Rehearsal and Performance 5

Credits: 5

Students participate in play production and performance on an advanced level to include leading roles in plays and musicals; or work as stage manager, costume designer, set designer, props master or choreographer, etc.

Enrollment Requirement: DRMA 211.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Participate in the audition process in order to understand the manner in which one is cast in a production.

Focus on leading roles or stage management in order to learn the necessity and importance of full participation from every member of the company for the success of the whole.

Demonstrate a commitment to the rehearsal process by attending all rehearsals one is called to, as well as all costume fittings, and stage management requests.

Attend weekend or weeknight performances of the rehearsed production for public presentation and demonstrate responsibility by proper personal preparation, warm-ups, make-up application and performance.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

DRMA 213 - Rehearsal and Performance 6

Credits: 5

Students participate in play production and performance on an advanced level to include leading roles in plays and musicals, or work as assistant director, stage manager or lead designer.

Enrollment Requirement: DRMA 212.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in the audition process in order to understand the manner in which one is cast in a production.

- Focus on leading roles or stage management in order to learn the necessity and importance of full participation from every member of the company for the success of the whole.

- Demonstrate a commitment to the rehearsal process by attending all rehearsals one is called to, as well as all costume fittings, and stage management requests.

- Attend weekend or weeknight performances of the rehearsed production for public presentation and demonstrate responsibility by proper personal preparation, warm-ups, make-up application and performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

DRMA 298 - Independent Study-Drama

Credits: 1-5

Encourages students to study and develop independently their special interests in drama. Students meet on a tutorial basis with their instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to organize and execute an individual study in a theatre topic by submitting a detailed outline to chosen project.

- Demonstrate self-discipline by adhering to project due dates and weekly progress reports.

- Demonstrate research skills by creating a Bibliography and Works Cited page for the written document due by quarter's conclusion.

- Demonstrate public presentation skills by presenting the outcomes of his/her research before an invited audience.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Early Childhood Education

ECED& 105 - Introduction to Early Childhood Education

Credits: 5

Explore the foundations of early childhood education. Examine theories defining the field, issues, trends, best practices, and program models. Observe children, professionals and programs in action.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain current theories and ongoing research in early care and education.
- Describe the role of play in early childhood programs.
- Compare early learning program models.
- Explain the importance of developing culturally responsive partnerships with families.
- Identify appropriate guidance techniques used in early care and education settings.
- Describe the observation, assessment, and teaching cycle used to plan curriculum for all young children.
- Apply the professional code of ethics for early care and education to resolve dilemmas.
- Describe major historical figures, advocates, and events shaping today's early childhood education.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED& 107 - Health, Safety and Nutrition

Credits: 5

Introduction to implementation of equitable health, safety and nutrition standards for the growing child in group care. Focus on federal Child Care Block Grant funding (CCDF) requirements, WA state licensing and Head Start Performance standards. Develop skills necessary to keep children healthy & safe, report abuse & neglect, and connect families to community resources.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe federal and state mandated health, safety, and nutrition practices.
- Identify indicators of illnesses/ infectious diseases and steps to prevent the spread of them.
- Outline safety procedures for providing emergency care and daily care.
- Evaluate program safety policies.
- Describe food programs and practices that support the development of children.
- Create examples of developmentally appropriate and culturally responsive health, safety, and nutrition education materials and activities.
- Describe the responsibilities of mandated reporters.
- Develop strategies for working with culturally, linguistically, and ability diverse families in accessing health, nutritional, and dental services.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 112 - Technology in Education

Credits: 3

Students use technology in a manner related to the education field. Appropriate for experienced, as well as inexperienced computer users.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic understanding of operating a computer.
- Select age-appropriate software for children.
- Implement computer-generated curriculum materials.
- Demonstrate computer file management.
- Demonstrate the impacts of the internet on a classroom.
- Make a presentation supported by computer software.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED& 120 - ECE Practicum 1-Nurturing Relationships

Credits: 2

In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health & safety, promoting growth & development, and creating a culturally responsive environment. Requires 33 hours volunteering/working in a licensed childcare setting.

Enrollment Requirement: For ECE Program Students Only.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the characteristics of nurturing relationships built between teachers and children.

- Practice ideals of professionalism in work with children, families and peers.

- Recognize cultural responsiveness when observing professionals and programs.

- Identify practices that promote health, safety, growth and development of children.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

- Advocate for strategies that promote the cultural diversity of children, families and their communities.

- Demonstrate effective written, verbal and non-verbal communication

- Discuss current issues and trends in early childhood education.

- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

- Positively support children's whole development.

- Display a positive attitude and enthusiasm for the job

- Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 124 - Early Childhood Education Practicum 2

Credits: 2

Provides students practical work experience in an ECE setting with the purpose of applying theoretical knowledge. Students are under the guidance and supervision of a college instructor while working with children under the age of six.

Enrollment Requirement: ECED& 120 or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Assess professional strengths and weaknesses.
- Self-evaluate student-child interaction based on provided criteria.
- Implement changes in interaction based on self-evaluation.
- Refine short- and long-term professional goals.
- Improve work skills in the field of Early Childhood education.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED& 132 - Infants and Toddlers-Nurturing Care

Credits: 3

Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally retentive care.

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss developmental milestones from birth to 36 months.
- Articulate the influences of individual development, temperament and cultural norms in the context of important, ongoing relationships.
- Design a plan to support reciprocal, culturally sensitive partnerships with families.
- Select positive guidance techniques that are appropriate and effective with infants and toddlers.
- Critique infant and toddler early learning environments.
- Articulate environmental influences on the learning processes of infants and toddlers during authentic play activities.
- Plan a developmentally appropriate, culturally relevant curriculum that supports language, physical, cognitive, creative, social, and emotional development.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED& 134 - Family Childcare Management

Credits: 3

Learn how to manage a family childcare program. Topics include licensing requirements, recordkeeping, relationship building, communication strategies, guiding behavior, and promoting growth and development.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe strategies for complying with Family Childcare Minimum Licensing Requirements.
- Describe strategies for meeting the developmental needs and guiding the behavior of all children in multi-age groups.
- Identify strategies for family childcare business management including tax planning and record keeping.
- Create written documents, such as a contract and policy handbook, that facilitate communication between the provider and the families.
- Develop strategies for creating reciprocal, culturally responsive relationships with families.
- Articulate knowledge and skills that define Family Childcare Providers as professionals.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED& 137 - Outdoor Learning for Young Children

Credits: 3

An exploration of nature-based, outdoor learning experiences for all young children.

Students will identify the benefits of outdoor learning for children, learn about the teacher's role in supporting learning in the outdoor learning environment, consider adult comfort levels with outdoor experiences, and examine risk-taking as a part of learning.

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the benefits of outdoor learning environments (OLE) for all children birth-8 years, including disabilities and recognize the OLE as a place where development is encouraged.

Explain the benefits of OLE and how OLE can positively impact children as well as practice conversational skills to advocate for OLE to parents and administrators.

Create a plan for an OLE that supports all children's learning.

Identify and practice teaching strategies that can be used in the OLE.

Explore and describe personal comfort level with outdoor experiences and risk-taking and describe the value of risk-taking as it pertains to children's learning and development.

Demonstrate strategies for supporting children's risk-taking and learning in the outdoor learning environment.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication.

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job.

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct.

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED& 138 - Home Visiting & Family Engagement

Credits: 3

Plan and provide home visits and group activities that promote secure parent-child relationships and support families to provide high-quality early learning experiences that are embedded in everyday routines and experiences. Course may include fieldwork.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Describe developmental milestones from birth to 36 months articulating the influences of individual development, temperament and cultural norms.

Articulate a plan that creates reciprocal, culturally sensitive partnerships with families.

Develop an outline for effective home visits that includes awareness of family and home visitor safety.

Create a plan for effective communication with families to develop shared goals and understanding of school readiness skills.

Define Reflective Practice and identify how it might be implemented.

Construct a curriculum to be delivered in a home visiting or group socialization model, checking for developmentally, linguistically, and culturally appropriateness.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication.

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job.

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct.

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.

Discuss the dynamics of family structure.

Involve parents and community agencies in early childhood development.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED& 139 - Administration of Early Learning Programs

Credits: 3

Develop administrative skills required to develop, operate, manage and improve early childhood education and care programs. Acquire basic business management skills. Explore resources and supports for meeting Washington State licensing and professional NAEYC standards.

Course Outcomes:

Students who successfully complete this class will be able to:

Crosswalk program policies and practices with licensing and professional standards.

Create a plan for appropriate staff, food, equipment, materials and programming for specific age groups and settings.

Prepare a balanced budget.
Identify methods for recruiting, hiring, evaluating, supervising, and supporting culturally and linguistically reflective staff.
Describe a variety of strategies for building relationships with all families.
Review tools used to evaluate program effectiveness and identify areas for improvements.
Apply the NAEYC Code of Ethics in resolving an administrative dilemma (case study).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 141 - Foundations of Infant and Early Childhood Mental Health

Credits: 3

Introduces students to the field of Infant and Early Childhood Mental Health. Topics covered in this course include defining the field, exploring the importance of early relationships for healthy brain development, discussing the role secure attachments and co-regulation have on the developing brain and self-regulation capacities. Lastly, identifying relationship-based strategies that support young children and families in early childhood settings. Reflective practice, a way of studying our own experience to increase awareness, understanding, and connection to others, will also be explored.

Enrollment Requirement: Instructor permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the social and emotional needs of infants, toddlers, and preschoolers.
- Understand the basic competencies necessary to integrate an infant and early childhood mental framework into their work with young children, families, and caregivers.
- Understand the development of the attachment system and how to support it by applying theory to practice.
- Integrate relationship-based principles and approaches to supporting families and other caregivers of young children.
- Develop a reciprocal, culturally appropriate, relationship-based interaction plan that supports positive interactions within early childhood settings.
- Gain awareness of a self-reflection stance to support reflective practice when working within early childhood programs.
- Gain awareness of and apply racial equity, diversity and inclusion practices when working with diverse children, families, and communities.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ECED 142 - Trauma Informed Principles and Practices in Early Childhood Education

Credits: 3

An introductory course on trauma informed care for early learning professionals including teachers, home visitors, and others. Topics include defining trauma in early childhood, its implications on the developing brain and the effect it has on children's learning and behavior. We will identify and explore individual, family and community trauma and their associated protective factors. We will explore the principles, strategies, and skills a trauma informed care provider can apply in early childhood programs.

Enrollment Requirement: Instructor permission. **Recommended:** Completion of ECED 141 with 2.0 or higher

Course Outcomes:

Students who successfully complete this class will be able to:

- Define trauma as well as different types of trauma including, but not limited to, adverse childhood experiences.
- Explain how trauma changes the brain and affects development, relationships, self-regulation, learning, and behavior.
- Design environments that provide a sense of emotional safety, promote social emotional development, and build resilience and healing for all children.
- Develop tools and strategies to better understand and connect with children who have experienced trauma and guide them on a path to healing.
- Identify nurturing interaction attributes that promote healing and social emotional wellness.
- Describe links between early toxic stress and trauma, learning, and lifelong health, and ways to respond to the needs of young children who have experienced trauma.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 152 - Multicultural Books

Credits: 3

Introduces high-quality developmentally appropriate children's books for early childhood and elementary classrooms. Students read and evaluate multicultural and anti-bias books that portray characters with authentic and realistic behaviors with an emphasis on race, gender, socioeconomic status, ethnicity, age, culture, disability, and family lifestyle. Identifies children's books which may be explicitly and/or subtly biased.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify characteristics of appropriate multicultural books for young children based on illustrations, story line, lifestyles and relationships between people.

Discuss the effect that books have on a child's self-image.
Apply developmental information to compilation of an annotated multicultural/anti-bias booklist for P-5 classrooms.
Plan, present and evaluate appropriate literacy units using multicultural and anti-bias tools.
Adapt multicultural literacy activities for special needs preschool through elementary classrooms.
Plan a classroom environment that supports and reflects a child's cultural identity.
Describe ways to encourage reading in the family.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 155 - Exploring Science and Math

Credits: 5

Focuses on the process of planning, creating, presenting and evaluating hands-on, relevant science and math activities for children in preschool through grade three. Serves as the foundation course for building developmentally appropriate science and math skills that lead to discovery, exploration and understanding. Open-ended science activities involve children at a wide range of developmental levels, connecting to other areas, including math, artistic expression, and social studies. Allows students to work collaboratively in small groups and to practice presenting lessons to young children.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the concept of science literacy and how it develops.
- Explain Piaget's theory of cognitive development as it relates to developing preoperational and concrete operational math concepts.
- Distinguish appropriate science and math experiences for young children.
- Apply developmental information to compilation of a science and math activity file integrating activities across the curriculum.
- Plan, create, present and evaluate appropriate curriculum units using integrated activities.
- Adapt curriculum activities for young children and children with special needs.
- Describe appropriate questioning techniques that guide children's exploration.
- Plan a classroom environment that supports a child's interest in science and math.
- Utilize the three major components (content, processes and attitude) in science.
- Present math lessons involving the five operations.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED& 160 - Curriculum Development in Early Childhood Education

Credits: 5

Investigates learning theory, program planning and tools for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in young children (birth-age 8).

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

Explain major early childhood curriculum theories and current trends in curriculum design for early learning environments.

Apply principles of developmentally, individually and culturally appropriate practice when designing, implementing and evaluating curriculum.

Evaluate integrated learning experiences supportive of children's development and learning incorporating national, state and local standards.

Design curriculum that supports children's language/communication, cognitive, social/emotional, fine/gross motor and creative development.

Design curriculum that is inclusive and represents the diversity of children and families.

Plan developmentally appropriate activities and schedules, which promote all children's growth and learning.

Observe, document and assess individual and group needs, interests, and skills for the purpose of curriculum planning and on-going modifications of plans.

Program Outcomes

Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.

Discuss the dynamics of family structure.

Involve parents and community agencies in early childhood development.

Develop, plan, and implement developmentally appropriate curriculum for early education.

Modify curriculum, instructional strategies and methods of assessment to meet the needs of exceptional, high risk, and special needs students.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 165 - Art for Children

Credits: 3

Develops and enhances creative expression in children using a process approach. Students plan, present and evaluate developmentally appropriate curriculum units in art for preschool, elementary and special needs students. This lab course provides experiences with creative materials and activities that are multicultural, and build self-esteem, social skills, and small motor skills.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe the development levels of art abilities.

Apply developmental levels to compilation of an art file.

Distinguish appropriate experiences for children with art.
Participate in practical art experiences in lab setting.
Explore line, pattern, shape, drawing, color, and space using a variety of media.
Plan, present and evaluate appropriate curriculum units in art.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED& 170 - Learning Environments

Credits: 3

Focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the

development of young children.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design healthy, respectful, supportive, and challenging learning environments for children.
- Identify strategies to achieve compliance with Washington Administrative Code and other state or federal regulations.
- Create environments that promote growth in all developmental domains and academic disciplines.
- Establish environments, routines, and schedules that promote children's age- appropriate, self-regulated behaviors.
- Establish environments that promote the cultural diversity of children, families, and their communities.
- Describe a variety of strategies for building relationships with all families.
- Review tools used to evaluate program effectiveness and identify areas for improvements.
- Apply the NAEYC Code of Ethics in resolving an administrative dilemma (case study).

Program Outcomes

- Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.
- Discuss the dynamics of family structure.
- Involve parents and community agencies in early childhood development.
- Develop, plan, and implement developmentally appropriate curriculum for early education.
- Modify curriculum, instructional strategies and methods of assessment to meet the needs of exceptional, high risk, and special needs students.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 175 - Music/Movement Activities

Credits: 3

Students plan, present, and evaluate developmentally appropriate curriculum activities in music and movement. Appropriate for teachers who wish to work in a preschool setting,

early elementary program or childcare center. Students learn about the importance of creative expression and providing movement and music activities that promote social skills, are multicultural, and self-esteem building. Covers physical development of children through the elementary years with attention toward their fine and gross motor development.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the physical growth and development of young children in preschool and school-age programs.
- Identify different types of music and movement experiences that promote the use and develop of gross motor skills in children.
- Illustrate how different types of music and movement experiences foster physical, language, cognitive, and social/emotional growth.
- Collect and organize age-appropriate music and movement activities that promote growth and skill building in culturally and ability diverse children.
- Demonstrate techniques that can be used to present physical activities to young children.
- Demonstrate musical instruments, recorded songs, sing-a-longs, flannel board songs, creative movement to music, and finger plays.
- Integrate movement with music in meaningful ways for children.
- Demonstrate music from a variety of cultures (i.e., songs or instruments from various cultures).

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED& 180 - Language and Literacy Development

Credits: 3

Literacy skills and teaching strategies are examined and defined at each developmental stage through the four interrelated areas of speaking, listening, writing, and reading. Topics include language acquisition, children's literature, environment and curriculum assessment, and program planning.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the continuum of language acquisition and early literacy skills.
- Develop evidence-based, appropriate environments and opportunities that support children's emergent language and literacy skills.
- Describe strategies for responding to children who are culturally, linguistically, and ability diverse.
- Develop ways to facilitate family and child interactions as primary contexts for heritage language and English development.
- Analyze images of culture and individual abilities reflected in children's literature and other learning materials.
- Utilize developmentally appropriate and culturally responsive assessment practices for documenting the growth of language and literacy skills.

Program Outcomes

- Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.
- Discuss the dynamics of family structure.
- Involve parents and community agencies in early childhood development.

Develop, plan, and implement developmentally appropriate curriculum for early education.

Modify curriculum, instructional strategies and methods of assessment to meet the needs of exceptional, high risk, and special needs students.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED& 190 - Observation and Assessment

Credits: 3

Collect and record observation and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions and communicating findings.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

Describe reasons for collecting observation and assessment data.

Identify indicators of growth, development, learning and social behaviors in all children.

Identify techniques for avoiding bias, judgments, and assumptions in observations.

Collect factual, descriptive data using a variety of assessment tools and strategies.

Document and analyze assessment data for use in planning curriculum for individual and groups of children.

Program Outcomes

Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.

Discuss the dynamics of family structure.

Involve parents and community agencies in early childhood development.
Develop, plan, and implement developmentally appropriate curriculum for early education.
Modify curriculum, instructional strategies and methods of assessment to meet the needs of exceptional, high risk, and special needs students.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 194 - Early Child Education Special Topics 1

Credits: 1-5

Enables students to pursue areas of special interest in the Early Childhood Education field. Students participate in approved regularly scheduled workshops, seminars, or classes sponsored by the college or by a recognized institution or organization, e.g. Child Care Resources, Educational Service District, the Washington Association for the Education of Young Children or local affiliate, health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 195 - Early Child Education Special Topics 2

Credits: 1-5

Enables students to pursue areas of special interest in the Early Childhood Education field. Students participate in approved regularly scheduled workshops, seminars, or classes sponsored by the college or by a recognized institution or organization, e.g. Child Care Resources, Educational Service District, the Washington Association for the Education of Young Children or local affiliate, health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 196 - Early Child Education Special Topics 3

Credits: 1-5

Enables students to pursue areas of special interest in the Early Childhood Education field. Students participate in approved regularly scheduled workshops, seminars, or classes sponsored by the college or by a recognized institution or organization, e.g. Child Care Resources, Educational Service District, the Washington Association for the Education of Young Children or local affiliate, health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 214 - Early Childhood Education Practicum 2

Credits: 3

Provides second year practical work experience in an ECE setting for the purpose of applying theoretical knowledge. Students work under the guidance and supervision of a college instructor while working with children under the age of six. Requires 66 hours volunteering/working in licensed childcare setting.

Enrollment Requirement: Instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify professional strengths and weaknesses.
- Demonstrate changes in teaching practice based on instructor feedback.
- Begin to apply developmentally appropriate practices as defined in NAEYC's position statement.
- Examine reflective practice as it relates to early childhood education.
- Identify how theories influence best practices in early childhood.
- Demonstrate responsiveness to early learning environments' social and cultural contexts.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 215 - Early Childhood Education Practicum 3

Credits: 3

Provides second year practical work experience in an ECE setting for the purpose of applying theoretical knowledge. Students work under the guidance and supervision of a college instructor while working with children under the age of six. Requires 66 hours volunteering/working in a licensed childcare setting.

Enrollment Requirement: ECED 214 with a grade of 2.0 or higher or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply developmentally appropriate practice in early learning interactions and environments.

- Incorporate reflective strategies into teaching practices.

- Use early childhood theories in interactions and practices to guide work.

- Develop short- and long-term professional goals.

- Demonstrate responsiveness to early learning environments' social and cultural contexts.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 220 - Introduction to Sign Language

Credits: 2

Introduces sign language. Presents alphabet and vocabulary using Signed English. Finger-spelling activities include a variety of games and songs.

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss the various means of communicating in the hearing-impaired community.

Demonstrate deaf alphabet and finger-spelling techniques.

Demonstrate basic sign language vocabulary words.

Present visual aids that encourage use of signs.
Adapt sign language knowledge for use with children and adults in educational or therapeutic settings.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 250 - Early Childhood Education Final Practicum

Credits: 3

Intended as the final course in the ECE degree program, ECED 250 allows students to present and document their abilities and experiences gained while in the ECE program. Students are expected to assume a lead teaching role in which they demonstrate application of all previous coursework emphasizing developmentally and culturally appropriate practices based on NAEYC criteria. Requires 66 hours volunteering/working in a licensed childcare setting.

Enrollment Requirement: Instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Design and implement curriculum and environments that are developmentally, culturally, and linguistically appropriate, engaging, and supportive of development and learning based on the foundations of early childhood education and knowledge of individual children.

Apply various teaching strategies, guide behavior, manage the classroom environment, and monitor children's development and learning.

Demonstrate the skills of a professional teacher, including effective communication, ethical practice, responsibilities to children and families, and commitment to ongoing professional development.

Reflect on teaching practice to guide future planning.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 294 - Special Topics-Education in Early Childhood 4

Credits: 1-5

Provides students with a basic knowledge to pursue areas of special interest in the field of education. Students participate in approved regularly scheduled workshops and seminars sponsored by the college or by a recognized institution or organization, e.g., Educational Service District, the Washington Association for the Education of Young Children or local affiliate, health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

ECED 295 - Special Topics-Education in Early Childhood 5

Credits: 1-5

Provides students with a basic knowledge to pursue areas of special interest in the field of education. Students participate in approved regularly scheduled workshops and seminars sponsored by the college or by a recognized institution or organization, e.g., Educational Service District, the Washington Association for the Education of Young Children or local affiliate, health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 296 - Special Topics-Education in Early Childhood 6

Credits: 1-5

Provides students with a basic knowledge to pursue areas of special interest in the field of education. Students participate in approved regularly scheduled workshops and seminars sponsored by the college or by a recognized institution or organization, e.g., Educational Service District, the Washington Association for the Education of Young Children or local affiliate, health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECED 301 - Reflective Observation with Field Experience 1

Credits: 2

Students will work a minimum of 20 hours per week with children and families in an early childhood setting. Through regular group meetings, students will have the opportunity to engage in reflective practice, with faculty facilitation, around their field experience. Students will be encouraged to carefully consider the qualities and characteristics of their actions and ideas.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify what reflective observation/supervision is and why it is essential in work with young children and their families.
- Explore components of reflective observation and supervision.
- Apply ICMH reflective practice skills to case studies and video materials.
- Identify how the skills and strategies presented can be incorporated into their daily teaching routines.
- Identify strategies for providing responsive versus reactive responses in the supervisory relationship.
- Apply IECMH reflective practice skills to case studies and video materials.
- Identify ways of forming a community of learning.
- Identify and describe the tools to become disciplined and intentional reflective practitioners.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
- Establish and maintain connections with appropriate support services and community resources.
- Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.
- Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought

through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 302 - Reflective Observation with Field Experience 2

Credits: 2

Students will work a minimum of 20 hours per week with children and families in an early childhood setting. Through regular group meetings, students will have the opportunity to engage in reflective practice, with faculty facilitation, around their field experience. Students will be encouraged to carefully consider the qualities and characteristics of their actions and ideas.

Enrollment Requirement: Admission into BAS in Early Childhood Education and ECED 301; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify what reflective observation/supervision is and why it is essential in work with young children and their families.
- Explore components of reflective observation and supervision.
- Apply ICMH reflective practice skills to case studies and video materials.
- Identify how the skills and strategies presented can be incorporated into their daily teaching routines.
- Identify strategies for providing responsive versus reactive responses in the supervisory relationship.
- Apply IECMH reflective practice skills to case studies and video materials.
- Identify ways of forming a community of learning.
- Identify and describe the tools to become disciplined and intentional reflective practitioners.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.

Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.

Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.

Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 303 - Reflective Observation with Field Experience 3

Credits: 2

Students will work a minimum of 20 hours per week with children and families in an early childhood setting. Through regular group meetings, students will have the opportunity to engage in reflective practice, with faculty facilitation, around their field experience. Students will be encouraged to carefully consider the qualities and characteristics of their actions and ideas.

Enrollment Requirement: Admission into BAS in Early Childhood Education; and ECED 301 and ECED 302; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify what reflective observation/supervision is and why it is essential in work with young children and their families.
- Explore components of reflective observation and supervision.
- Apply ICMH reflective practice skills to case studies and video materials.
- Identify how the skills and strategies presented can be incorporated into their daily teaching routines.
- Identify strategies for providing responsive versus reactive responses in the supervisory relationship.
- Apply IECMH reflective practice skills to case studies and video materials.
- Identify ways of forming a community of learning.
- Identify and describe the tools to become disciplined and intentional reflective practitioners.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
- Establish and maintain connections with appropriate support services and community resources.
- Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.
- Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 305 - Introduction to Infant/Child Mental Health

Credits: 5

A comprehensive overview of community agencies and professionals who work with and support early learning programs and families. Students will learn and practice communication skills and strategies that enable them to connect with and encourage parents and other family members to be involved in their child's growth and education. Special emphasis will be placed on intercultural communication.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define and explain the concept of infant mental health and how it relates to healthy, lifelong development.
- Describe the status of infant/ child mental health and mental health services in the United States and associated major public health issues.
- Identify key principles of infant mental health theory and practice.
- Describe how caregiver-child interactions affect infant/child development.
- Identify biological and environmental risk factors to healthy emotional development.
- Understand the impact of brain development and early relationships on overall development.
- Discuss the research areas of attachment, temperament, and social emotional development.
- Investigate categories of service an infant mental health specialist provides.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.

Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.

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ECED 310 - Building Networks with Families and Community

Credits: 3

A comprehensive overview of community agencies and professionals who work with and support early learning programs and families. Students will learn and practice communication skills and strategies that enable them to connect with and encourage parents and other family members to be involved in their child's growth and education. Special emphasis will be placed on intercultural communication.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Identify ways in which collaboration is used in infant/child mental health work.

Investigate the impact of public policy on early childhood mental health systems.
Describe the variety of public programs and policies designed to support a range of early childhood mental health issues.
Identify and discuss the challenges, methods, and strategies of communicating with parents and family members.
Apply various principles and strategies, including verbal and nonverbal techniques for communicating with students, parents, and educational professionals in varied teaching and learning situations.
Discuss the benefits, limitations, and biases of the diverse communication formats one must utilize in order to establish cooperative relationships that respect the diversity and uniqueness of all families.
Describe and demonstrate skills that are necessary for professionals within early childhood education to work together as a team, to collaborate, and to advocate in ways that are responsive to the diversity and complexity of each family's system.
Develop strategies for implementing effective program policies that safeguard families who are culturally and linguistically diverse.

Program Outcomes

Apply relationship-based principles and strategies that support young children and families.
Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
Screen, assess, and identify children with mental health challenges.
Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
Establish and maintain connections with appropriate support services and community resources.
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ECED 315 - Foundations of Infant/Toddler Development

Credits: 5

Provides an overview of knowledge and research in the area of infant/toddler development through a mental health lens. All domains of development will be studied, with a special focus on social/emotional development and the importance of responsive, respectful interactions. Students will explore research related to how infants "make meaning" and how this learning can be supported.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze and compare the major themes and controversies that shape research in infant and child development.
- Describe developmental changes in the physical, cognitive, and emotional/social capacities of children over the course of infancy and childhood.
- Describe how family dynamics and adult expectations affect infant and toddler development.
- Identify and describe biological and environmental risk factors to healthy development.
- Explain brain research as it relates to growth and development of infants and toddlers.
- Understand the importance of partnering with parents and families of infants/toddlers.
- Describe newborn development and assessment as well as behavioral states.
- Recognize cultural differences and rearing practices with infants and toddlers.
- Describe the application of possible interventions to improve infant/toddler mental health and development.

Program Outcomes

Apply relationship-based principles and strategies that support young children and families.

Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.

Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.

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ECED 340 - Cultural Perspectives in Early Relational Health

Credits: 3

Equity and Social Justice examines attitudes and practices that are explicitly and/or subtly biased on the basis of race, gender, socioeconomic status, ethnicity, age, culture, disability, family/lifestyle, sexual identity and gender orientation. Students will explore historical and current issues of how systemic power, privilege, and oppression impact early childhood education systems and the individuals within those systems.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define and apply key terms and concepts of diversity, inclusion and social justice.
- Analyze how implicit bias can influence relationships and identity development.
- Analyze how systemic power, privilege, and oppression impact early childhood education systems and the individuals within those systems.
- Summarize how professional practice is influenced by personal, social, and cultural contexts.
- Deconstruct biases, stereotypes, and micro-aggressions present in early childhood educational settings and the larger community.
- Critique how an individual's family structure, culture, social, emotional, and political contexts may impact learning.
- Evaluate early learning programs by applying the National Association for the Education of Young Children (NAEYC) Position Statement on Diversity.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
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ECED 350 - Theories, Relationships and Attachment

Credits: 5

Theories related to attachment and relationships will be studied and analyzed, providing a solid foundation for informed caregiving. Students will study attachment theorists, their ideas, and their continuing impact on early learning. They will also examine how early relationships have a significant impact on the social emotional development of the young child, and how brain development is influenced by these early relationships.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Investigate differing perspectives on attachment theory.
- Examine circumstances that interfere with the development of attachment.
- Identify relationship-based principles and strategies that support young children and families.
- Identify how early relationships impact social and emotional development.
- Recognize problematic emotional or social patterns in the developing child.
- Describe how family dynamics and adult expectations affect infant and toddler development.
- Identify psychological needs of a typically developing child.
- Identify biological and environmental risk factors to healthy emotional development.
- Describe the impact of brain development during infancy within the context of relationships.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.

Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.

Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.

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ECED 370 - Nurturing Social and Emotional Development in Young Children

Credits: 5

A study of the importance of nurturing and developing positive social and emotional development in young children. Factors that influence a child's sense of self, their interactions with others, and their approach to learning will be explored. Students will learn and apply principles and strategies that promote social and emotional competencies and guide them in creating inclusive and engaging learning environments.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify social emotional development and competencies in young children.
- Demonstrate understanding of how caregiver behavior attitudes and positive interaction promote children's healthy social emotional development.
- Recognize characteristics of an environment that support social emotional development.
- Develop activities and interventions that nurture social emotional learning and positive growth and development.
- Apply principles and practices of social emotional learning in the work setting.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
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ECED 401 - Reflective Consultation with Field Experience 1

Credits: 2

Students will work a minimum of 20 hours per week with children and families in an early childhood setting. Through regular group meetings, students will have the opportunity to engage in reflective consultation with faculty facilitation around their field experience. Students will go beyond just reflecting on simple application and knowledge and will begin to integrate ideas and concepts into their work.

Enrollment Requirement: Admission into BAS in Early Childhood Education; and ECED 301, 302 and 303; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply IECMH reflective practice skills.
- Demonstrate use of skills and strategies in their daily teaching routines.
- Practice strategies for providing responsive versus reactive responses in the supervisory relationship.
- Utilize tools to become disciplined and intentional reflective practitioners.
- Analyze and assess thoughts, beliefs, actions, and attitudes to improve future performance.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
- Establish and maintain connections with appropriate support services and community resources.

Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting. Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 402 - Reflective Consultation with Field Experience 2

Credits: 2

Students will work a minimum of 20 hours per week with children and families in an early childhood setting. Through regular group meetings, students will have the opportunity to engage in reflective consultation with faculty facilitation around their field experience. Students will go beyond just reflecting on simple application and knowledge and will begin to integrate ideas and concepts into their work.

Enrollment Requirement: Admission into BAS in Early Childhood Education; and ECED 301, 302, 303 and 401; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply IECMH reflective practice skills.

- Demonstrate use of skills and strategies in their daily teaching routines.

- Practice strategies for providing responsive versus reactive responses in the supervisory relationship.

- Utilize tools to become disciplined and intentional reflective practitioners.

- Analyze and assess thoughts, beliefs, actions, and attitudes to improve future performance.

Program Outcomes

Apply relationship-based principles and strategies that support young children and families.

Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.

Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.

Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.

Advocate for families and young children through service, education, and leadership.

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ECED 405 - Trauma Exposed and Vulnerable Families/Child

Credits: 5

An examination of the concept of trauma-informed care: an understanding of how trauma changes the brain and affects relationships, self-regulation, sensory processing, learning, and behavior. Students will learn to recognize the behavioral signs of trauma, and how to respond in ways that maintain respect and bring healing for young children and families.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify relationship-based principles and strategies that support young children and families.
- Recognize signs of emotional distress, child abuse, domestic violence and neglect in young children and know responsibility and procedures for reporting suspected abuse or neglect to appropriate authorities.
- Identify and describe children's physical, psychological and behavioral reactions to stress.
- Identify the range of traumatic experiences and how they may affect the psychosocial and neuro-biological development of children.
- Describe how trauma may affect a child's ability learn and function in school.
- Explain the role that child, family and community ecology play in mitigating the effects of traumatic experiences.
- Identify strategies for helping children cope effectively with stress.
- Describe the major theories of trauma-focused clinical intervention.
- Examine the role of culture and ethnicity as it defines traumatic experience and shapes a child and family's response to trauma.
- Describe the principles of trauma-informed systems of care for children.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
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ECED 410 - Foundations of Challenging Behavior: Emotional

Credits: 3

An analysis of how aspects of child development and early learning potentially affect children's behavior, including the relationship between trauma, brain development, and emotional dysregulation. Emphasis will be placed on nurturing respectful relationships in an inclusive social climate between teachers and young children as the essential basis for prevention and intervention.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the relationship between children's social-emotional development and challenging behavior.
- Identify the principles of child guidance based on the developmental characteristics of young children.
- Identify and describe risk and protective factors that influence development and behavior.
- Examine cooperative learning activities that encourage positive social interaction among children.
- Describe positive strategies of conflict resolution that promote personal self-control, self-motivation and build self-esteem.
- Identify and describe ways to help children develop positive peer relationships and friendships.
- Identify teaching strategies that foster children's development of interpersonal skills.

Describe factors that contribute to aggressive behavior in children.
Develop strategies that help reduce children's aggressive behavior and give them alternative ways to cope with aggression.

Program Outcomes

Apply relationship-based principles and strategies that support young children and families.

Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.

Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.

Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.

Screen, assess, and identify children with mental health challenges.

Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

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ECED 415 - Early Identification and Intervention: Children

Credits: 5

Through the use of a biopsychosocial framework, programs of assessment and intervention for children with developmental delays and mental health issues will be studied. Emphasis on interactive disorders, regulatory-sensory processing disorders and neurodevelopmental disorders. A review of historical and legal precedence for providing early intervention and early childhood special education services, and practical and effective techniques for working with this population

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply a bio-psycho-social and cultural framework to explain how risk and protective factors influence individual differences in early childhood.
- Recognize how infant or toddler's disability or developmental delay affects the child's ability to interact with others and the environment.
- Describe and define neurodevelopmental disorders and the links between genetics and development.
- Describe and define regulatory-sensory processing disorders and recognize their role in influencing behavior.
- Describe and define interactive disorders and related issues of child-caregiver, family, or environmental patterns and relationships.
- Identify significant medical, biological, and environmental risk factors.
- Explain how an infant's or toddler's disability or developmental delay affects the child's ability to interact with others and the environment.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
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ECED 420 - Assessment and Application of ICMH Principles

Credits: 3

Through examination of case studies in infant mental health, students will apply research, assessment tools and previous coursework to evaluate and assess the work of an infant mental health specialist. Students will be introduced to a developmentally based system for identifying mental health and developmental disorders of infants, toddlers, and young children.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply developmental and relational theories and principles of infant child mental health to case studies.

- Evaluate infant child mental health principles, skills, and strategies used in infant mental health consultation and assessment.

- Compare and contrast specific types and purposes of assessment in early care and education settings and associated best practices.

- Recommend activities and interventions that relate to the social and emotional needs of vulnerable families and young children.

- Connect infant/child mental health practices to current position/workplace.

Identify a framework for developing an assessment system that is grounded in standards, responsive to diversity among children, and connected directly to a child's social and emotional learning (SEL).

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
- Establish and maintain connections with appropriate support services and community resources.
- Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.
- Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 425 - Leadership and Advocacy in Early Childhood Educ

Credits: 3

Students will implement ethical guidelines and other professional standards, learn techniques for collaboration, demonstrate reflective practice, make informed decisions, act as effective advocates for sound educational practices and policies, and conduct themselves as members of the early childhood profession.

Enrollment Requirement: Admission into BAS in Early Childhood Education or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate professional identification with, and leadership skills in, the early childhood field to think strategically, build consensus, create change, effectively collaborate with and mentor others, and have a positive influence on outcomes for children, families and the profession.
- Apply in-depth understanding and thoughtful application of NAEYC Code of Ethical Conduct and other professional guidelines relevant to their professional role.
- Use professional resources, inquiry skills and research methods to engage in continuous, collaborative learning and investigation relevant to practice and professional role.
- Demonstrate critical thinking by integrating knowledgeable, reflective, and multiple perspectives on early education based upon mastery of relevant theory and research.
- Engage in informed advocacy for children and the profession, skillfully articulating and advocating for sound professional practices and public policies.
- Demonstrate a high level of oral, written and technological communication skills with specialization for professional role(s) emphasized in the program.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.

Establish and maintain connections with appropriate support services and community resources.
Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.
Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 445 - Reflective Seminar

Credits: 2

Through small-group seminars and individual meetings with core faculty, students will reflect on their coursework and the experiences they have had in the Infant/Child Mental Health BAS Degree, and how this program has impacted their life, both personally and professionally.

Enrollment Requirement: Admission into BAS in Early Childhood Education; and ECED 301, 302, 303, 401 and 402; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply relationship-based principles and strategies in the early childhood workplace that support young children and families.
- Demonstrate an understanding of reflective observation, consultation, and practice, and possess the ability to integrate it into their workplace setting.
- Advocate for families and young children through service, education, and leadership.
- Apply best practice and current research to support strong caregiver-child relationships.
- Connect and collaborate with appropriate support services and community resources.

Develop as early childhood stakeholder leaders.

Program Outcomes

- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
- Establish and maintain connections with appropriate support services and community resources.
- Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.
- Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ECED 450 - Capstone Project

Credits: 3

The final capstone course provides students an opportunity to synthesize and demonstrate their learning across the program, bringing together research, theory and

application. Students will demonstrate overall degree competencies and show how research informs their professional work in the field of early learning. Students, in consultation with their program adviser will create a final culminating project to be presented to classmates and program faculty.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this course will be able to:

- Integrate learning from previous coursework within the Early Childhood Infant/Child Mental Health program of study into final project.
- Demonstrate how research informs professional work and guides program development and decisions.
- Apply best practice and current research to support strong caregiver-child relationships.
- Demonstrate how collaboration with outside agencies, families, and other professionals in the field is an essential part of relationship-based programs.

Program Outcomes

- Will have a comprehensive understanding of the field of Infant/Child Mental Health.
- Apply relationship-based principles and strategies that support young children and families.
- Assess and analyze children's development, skills, and behavior based on culturally and developmentally appropriate practices.
- Design and create inclusive environments that promote social/emotional learning and are responsive to the needs of all children and families including those considered vulnerable.
- Select and apply appropriate intervention strategies for classroom management while promoting a positive emotional climate that is reflective of and responsive to the culture being served.
- Screen, assess, and identify children with mental health challenges.
- Demonstrate leadership abilities and collaborative skills necessary to resolve interpersonal and organizational challenges that may occur in an early childhood setting.
- Establish and maintain connections with appropriate support services and community resources.
- Demonstrate the ability to engage in reflective observation, consultation, and practice, and possess the ability to integrate it into the early learning setting.
- Advocate for families and young children through service, education, and leadership.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Economics

ECON 100 - Economic Principles and Applications

Credits: 5

General survey course stressing basic principles of economic analysis and their applications to current problems and social issues. Intended primarily for students not majoring in business or economics and not intending to take ECON& 202.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the economic way of thinking.

- Define opportunity cost and discuss how it relates to any action taken.

- Explain and discuss of the basic laws of demand and supply.

- Define Gross Domestic Product and discuss how the Department of Commerce measures it.

- Discuss how the Bureau of Labor Statistics estimates the unemployment rate and the inflation rate.

Program Outcomes

- Differentiate between normative and positive statements.

- Illustrate how changes in Supply and Demand influence market price.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ECON& 201 - Micro Economics

Credits: 5

Continues the analysis of problems involving scarcity, choice, competition, and cost. Examines the basic principles and models of microeconomics and their application to contemporary issues and problems. Primarily for students who are taking additional courses requiring a working knowledge of microeconomic theory.

Enrollment Requirement: Eligible for ENGL& 101; and ECON& 202 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain how demand theory is used to analyze consumer behavior.

- Explain how supply theory is used to analyze the behavior of producers and firms.

- Use marginal analysis to explain both consumer and producer choices in a free market.

- Analyze and evaluate the behavior of firms characterized as Price Takers.

- Analyze and evaluate the behavior of firms characterized as Price Searchers.

Program Outcomes

Illustrate how changes in Supply and Demand influence market prices.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ECON& 202 - Macro Economics

Credits: 5

Introduces economic reasoning. Covers basic economic questions concerning economizing, competition and exchange. Also covers macroeconomics and questions relating to the determination of national income, output, employment and the price level.

Enrollment Requirement: Eligible for ENGL& 101 and MATH 147; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how the Production Possibilities Model can be used to analyze economic problems.

- Define Gross Domestic Product and discuss how the Department of Commerce measures it.

- Discuss how the Bureau of Labor Statistics estimates the unemployment rate and the inflation rate.

- Explain how to use an Aggregate Demand/Aggregate Supply Model when engaging in Fiscal and Monetary Policy.

- Illustrate how the money supply is measured by the Federal Reserve.

Program Outcomes

- Differentiate between normative and positive statements.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ECON 298 - Independent Study-Economics 1

Credits: 1-5

Enables students individually to pursue special interests or opportunities in economics under guidance of an instructor.

Enrollment Requirement: At least one 200-level course in ECON and instructor

consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe in detail a particular economics topic chosen.
- Explain the research that will be associated with the chosen economics topic.
- Design a research project to explore the economics topic.
- Produce a write-up of the research project findings.

Program Outcomes

- Differentiate between normative and positive statements.
- Illustrate how changes in Supply and Demand influence market prices.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Education**EDUC& 101 - Paraeducator Basics**

Credits: 3

An introduction to roles and responsibilities of the Paraeducator in the K-12 educational system. Students will explore techniques supporting instruction, professional and ethical practices, positive and safe learning environments, effective communication and teamwork. Includes an overview of techniques of certificated/licensed staff and Paraeducators including alcohol and drug awareness. Previously EDUC 191.

Course Fee: \$12.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compare the distinct roles and responsibilities of the Paraeducator with those of the certificated staff.
- Identify the signs of a safe, positive and culturally inclusive learning environment.
- Demonstrate effective communication techniques and strategies to be used with students, family members, and staff.

Examine positions of power, privilege and inequity.
Apply the Washington State Paraeducator Standards to develop a professional development plan.
Demonstrate the ability to utilize assessments and record data to monitor child growth and development.
Demonstrate knowledge pertaining to information, ideas and emotions associated with issues of alcohol and drug awareness in the educational environment.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
Advocate for strategies that promote the cultural diversity of children, families and their communities.
Demonstrate effective written, verbal and non-verbal communication.
Discuss current issues and trends in early childhood education.
Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
Positively support children's whole development.
Display a positive attitude and enthusiasm for the job.
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct.
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

EDUC& 115 - Child Development

Credits: 5

Build foundation for explaining how children develop in all domains, conception through early adolescence. Explore various developmental theories, methods for documenting growth, and impact of brain development. Topics addressed: stress, trauma, culture, race, gender identity, socioeconomic status, family status, language, and health issues.

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss prominent child development research and theories guiding parenting and care giver's practices.
- Describe the developmental sequence from conception through early adolescence in all domains.
- Analyze critical stages of brain development as influencers of child development.
- Examine techniques to conduct and document observations of children as a means to assess and communicate growth and development.
- Explain individual differences in development.
- Identify how family, caregivers, teachers, community, culture, and trauma influence development.
- Outline community resources to support children's and families' development.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC& 130 - Guiding Behavior

Credits: 3

Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions, providing positive individual guidance, and enhancing group experiences.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify developmentally appropriate individual and group behaviors of children.
- Compare at least three approaches to guiding behavior.
- Recognize positive, respectful, culturally responsive approaches to guidance.
- Plan environment supportive of children's development with focus on attachment, self-help, relationships, and executive function.
- Articulate strategies to promote social/emotional competence and positive sense of self.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC& 136 - School-Age Care

Credits: 3

Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. Topics include implementation of curriculum, preparation of environments, building relationships, guiding cognitive and social emotional development, and community outreach. Previously ECED& 136.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the physical, cognitive, social and emotional stages of children ages 5-12.
- Develop a plan to create reciprocal and culturally sensitive relationships with children and families.
- Analyze the effectiveness of an environment and recommend changes that are culturally attentive, developmentally appropriate, and conducive to positive social interactions.
- Identify guidance strategies that promote cognitive and social growth in the context of school age care environment.
- Describe state and local school age care regulations and procedures related to group size, health, nutrition and safety.
- Create curriculum that is developmentally appropriate and culturally responsive.
- Identify community resources supporting school age care/youth development program personnel.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

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EDUC& 150 - Child, Family and Community Relationship

Credits: 3

Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication.

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate and describe the cultural influences, social issues, changes and transitions that affect children, families, schools and communities.
- Examine the concept of family, school, peers, media and community as socialization agents.
- Analyze strategies that empower families to establish and maintain collaborative relationships to support the growth and development of children.
- Identify how one's own family history and life experiences may impact relationships with children and families.
- Identify community services and agencies that support the needs of children and families and establish resource and referral systems for parents and educators.

Program Outcomes

- Design, set up and manage safe, healthy environments, spaces, equipment and materials which invite learning.
- Discuss the dynamics of family structure.
- Involve parents and community agencies in early childhood development.
- Develop, plan, and implement developmentally appropriate curriculum for early education.
- Modify curriculum, instructional strategies and methods of assessment to meet the needs of exceptional, high risk, and special needs students.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC 194 - Education Special Topics 1

Credits: 1-5

Enables students to pursue areas of special interest in the field of education. Students participate in approved, regularly scheduled workshops, seminars, or classes sponsored by the college or by a recognized institution or organization, e.g., Child Care Resources, Educational Service District, the Washington Association for the Education for Young Children or local affiliate, health department, articulating school districts, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC 195 - Education Special Topics 2

Credits: 1-5

Enables students to pursue areas of special interest in the field of education. Students participate in approved, regularly scheduled workshops, seminars, or classes sponsored by the college or by a recognized institution or organization, e.g., Child Care Resources, Educational Service District, the Washington Association for the Education for Young

Children or local affiliate, health department, articulating school districts, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC 196 - Education Special Topics 3

Credits: 1-5

Enables students to pursue areas of special interest in the field of education. Students participate in approved, regularly scheduled workshops, seminars, or classes sponsored by the college or by a recognized institution or organization, e.g., Child Care Resources, Educational Service District, the Washington Association for the Education for Young Children or local affiliate, health department, articulating school districts, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC& 204 - Inclusive Education

Credits: 5

Introduces the characteristics and educational needs of exceptional children. Discusses autism, learning disabilities, communication disorders, ADD, developmental disabilities, vision and hearing impairments, and orthopedic/health impairments. Presents history, theory, and current research. Appropriate for those working with children ages birth through adolescence.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define terminology related to special education and explain the functional approach to providing special education services.
- Describe the effects of historical forces, and the impact of legislation on special education.

Discuss with competence special education issues, normalization and its effects, IEP components, diverse cultural backgrounds, and children "at risk" for handicapping conditions.

Define and understand visual impairment, physical and health related disabilities, learning disabilities, behavioral disabilities.

Engage with individual differences through field experiences and personal interactions with children with special needs.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication.

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

EDUC& 205 - Introduction to Education with Field Experience

Credits: 5

Acquaints students with the kindergarten through college American education system and the profession of teaching. Appropriate for those wishing to gain a better understanding of schools and teaching, especially those planning to enter the teaching profession. Includes a historical perspective of American education, current research on effective teaching strategies, and a discussion of current issues related to schools, teaching and learning. Requires 33 hours volunteering/working in a public-school setting (elementary/middle school.)

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Trace the historical development of the k-college educational system and its relationships to social and cultural reforms, changing philosophical beliefs, and a growing base of education research.
- Discuss child development, learning styles and theories.
- Relate theories to implications for teaching and learning.
- Practice current models of instruction including, but not limited to, cooperative learning.
- Address students with special needs.
- Demonstrate the multifaceted process of teaching that begins with and ends with assessment of learning.
- Discuss current issues in including, but not limited to, the role of instructional technology, home schooling, and site based.
- Describe the school's role in a multicultural society and responsibilities related to providing equitable opportunity to all students.
- Identify requirements for various teacher certification programs around the state.

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

EDUC 210 - Assisting Practicum

Credits: 3

Students work with children in the classroom, learning and demonstrating the fundamentals of developmentally- appropriate and culturally sensitive practices. Students participate online each week, linking the practicum experience to theory. Requires 44 hours of volunteering/working in a public-school setting (elementary/middle school.)

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Assist actively in all classroom curriculum areas.
- Identify and evaluate a classroom floor plan including the goals/purpose for each activity center.
- Write and evaluate a daily schedule.
- Record involvement in each center in a daily journal.
- Plan and implement lesson plans with children.
- Compile a portfolio to include assignments, Information about the program, Photographs, checklists for Health and Safety, Learning Environments, Multicultural Evaluations and Self Reflections/Evaluations.

Program Outcomes

- Demonstrate professional and ethical practices.
- Support a positive and safe learning environment.

Communicate effectively and participate in the team process.
Demonstrate cultural competence.

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EDUC& 240 - Diversity in Education

Credits: 5

Examines attitudes and practices that are explicitly and/or subtly biased on the basis of race, gender, socioeconomic status, ethnicity, age, culture, disability, and family/life-style. Emphasizes the implications for classroom practices and developing a plan for incorporating anti-bias attitudes and practices into an educational setting.

Course Outcomes:

Students who successfully complete this class will be able to:

Identify societal, institutional and classroom biases, including those based on race, gender, socioeconomic status, ethnicity, age, culture, disability, and family/life style.

Conduct a self-assessment of individual biases.

Discuss the various levels of awareness of anti-bias in an educational setting.

Report on a current topic of culturally relevant, anti-bias awareness or curriculum.

Identify areas within curriculum in which changes might be made.

Describe characteristics of anti-bias materials and activities.

Plan a classroom environment which supports anti-bias awareness and attitudes.

Plan, present and evaluate appropriate anti-bias curriculum projects.

Observe and evaluate an educational program for anti-bias, considering the environment.

Develop an action plan for implementing a culturally relevant, anti-bias program in an educational setting.

Identify obstacles for implementing change and strategies for overcoming those obstacles.

Discuss strategies for appropriately and sensitively responding to biases.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication.

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job.

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct.

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

EDUC 245 - Challenging Behaviors in Young Children

Credits: 3

Presents the basic facts and skills needed to understand and address challenging behaviors and to teach appropriate alternatives. Presents techniques and information drawn from neuroscience, psychology, psychiatry, special education, early care and education, child development, cross-cultural research, and proactive skills programs. Discusses the risk factors, protective factors, and the role of the brain in challenging

behavior.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define challenging behavior, aggression, and the role of culture.
- Identify biological and environmental risk factors associated with challenging behavior.
- Identify protective factors and defines resilience in children.
- Discuss the brain's role in behavior.
- Identify effective preventative measures.

Program Outcomes

- Use reinforcement, motivation and data collection to facilitate positive behavioral support and assist in instruction and learning.
- Demonstrate performance indicators associated with the Core Competencies for Paraeducators in Washington State.

College-wide Outcomes

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EDUC 293 - Issues of Child Abuse

Credits: 2

Presents an overview of child abuse and neglect in the U.S. Covers basic definitions, theories of causes, and indicators of abuse. Discusses mandatory reporting laws and forms of intervention along with the importance of taking cultural factors into consideration. Recommended for individuals who work in childcare settings and schools.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define child abuse and neglect.
- Identify the different forms of child abuse and neglect.
- Describe some underlying factors that lead to abuse and neglect.
- Explain components of the child abuse and neglect mandatory reporting laws.
- Describe and identify different forms of interventions for child abuse and neglect.
- Explain the importance of considering cultural factors in the study of child abuse and neglect.

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

EDUC 294 - Education Special Topics 4

Credits: 1-5

Provides students with a basic knowledge to pursue areas of special interest in the field of education. Students participate in approved, regularly scheduled workshops and seminars sponsored by the college or by a recognized institution or organization, e.g., Educational Service District, the Washington Association for the Education of Young Children or local affiliate; health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.
- Advocate for strategies that promote the cultural diversity of children, families and their communities.
- Demonstrate effective written, verbal and non-verbal communication
- Discuss current issues and trends in early childhood education.
- Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).
- Positively support children's whole development.
- Display a positive attitude and enthusiasm for the job
- Develop rapport and contribute to the work environment as a member of the instructional team.
- Practice ethical and professional standards of conduct
- Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

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EDUC 295 - Education Special Topics 5

Credits: 1-5

Provides students with a basic knowledge to pursue areas of special interest in the field of education. Students participate in approved, regularly scheduled workshops and seminars sponsored by the college or by a recognized institution or organization, e.g., Educational Service District, the Washington Association for the Education of Young Children or local affiliate; health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.

Display a positive attitude and enthusiasm for the job

Develop rapport and contribute to the work environment as a member of the instructional team.

Practice ethical and professional standards of conduct

Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

College-wide Outcomes

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EDUC 296 - Education Special Topics 6

Credits: 1-5

Provides students with a basic knowledge to pursue areas of special interest in the field of education. Students participate in approved, regularly scheduled workshops and seminars sponsored by the college or by a recognized institution or organization, e.g., Educational Service District, the Washington Association for the Education of Young Children or local affiliate; health department, or childcare agency.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Use developmental milestones and observations of children's behavior as a foundation for planning appropriate activities.

Advocate for strategies that promote the cultural diversity of children, families and their communities.

Demonstrate effective written, verbal and non-verbal communication

Discuss current issues and trends in early childhood education.

Identify typical and atypical growth and development (cognitive, linguistic, motor, and social).

Positively support children's whole development.
Display a positive attitude and enthusiasm for the job
Develop rapport and contribute to the work environment as a member of the instructional team.
Practice ethical and professional standards of conduct
Comply with laws (such as IDEA, Section 504, ADA), workplace policies, and procedures in relation to confidentiality, reporting of abuse, discipline, chain of command and delegation and supervision.

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Emergency Room and Patient Care Technician

ERTECH 102 - Emergency Room/Patient Care Technician

Credits: 5

This course provides students with the knowledge and skills essential for success as a vital member of the healthcare team. Students will gain the expertise required to navigate the fast-paced and challenging environment of emergency care.

Enrollment Requirement: Instructor permission

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the roles and responsibilities of the Emergency Room Technician as a member of the emergency medical team.
- Assess emergency situations and demonstrate effective treatment skills.
- Analyze, synthesize, integrate, and evaluate medical terminology.
- Identify select diagnostic and therapeutic procedures and describe diagnoses for which they are performed.
- Demonstrate the ability to work cooperatively as a member of a healthcare team, including the use of effective communication skills.
- Apply principles of anatomy, pathophysiology, and lifespan development.
- Describe and apply therapeutic communication skills needed when assessing and managing patients.
- Identify needs of patients of all ages with various complaints, concerns, and injuries.

Recognize common, urgent, and emergent needs of patients in the Emergency Room setting.

Describe professionalism in approach to legal, social, cultural, and ethical concerns that influence patient care.

Program Outcomes

Function as a member of a health care team to provide safe, patient-centered care.

Use appropriate medical language to communicate with co-workers and ancillary staff.

Perform duties safely and effectively within their scope of practice as outlined by the Certified Nursing Assistant and Phlebotomy programs' requirements.

Apply problem solving and critical thinking skills within their scope of practice and in coordination with team members to foster good patient outcomes.

Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.

Use effective written and oral communication and listening skills in interactions with a diverse patient population.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ERTECH 103 - Emergency Room/Patient Care Technician Lab

Credits: 2

This course provides hands-on training designed to equip students with the practical skills and competencies required for success as an Emergency Room Technician.

Through immersive laboratory experiences, participants will develop proficiency in essential techniques related to patient care, emergency response, and adherence to

professional standards.

Enrollment Requirement: instructor permission

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Assist with wound care, orthopedic splinting, and specimen collection.
- Assist with patient monitoring for emergencies across the lifespan.
- Utilize specialized medical equipment and technology as necessary.
- Demonstrate accepted practices for infection control, isolation techniques, aseptic techniques, and methods for prevention of disease.
- Demonstrate the ability to identify and use safety and emergency procedures.
- Perform duties within the legal and ethical guidelines of the profession and scope of practice.
- Integrates technical competence and patient interaction skills to gain confidence and cooperation from patients, their support systems, and other healthcare providers.
- Demonstrates clinical skills to support the patient's plan of care according to their diagnosis.
- Demonstrate professionalism in approach to legal, social, cultural, and ethical concerns that influence patient care.

Program Outcomes

- Function as a member of a health care team to provide safe, patient-centered care.
- Use appropriate medical language to communicate with co-workers and ancillary staff.
- Perform duties safely and effectively within their scope of practice as outlined by the Certified Nursing Assistant and Phlebotomy programs' requirements.
- Apply problem solving and critical thinking skills within their scope of practice and in coordination with team members to foster good patient outcomes.
- Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.
- Use effective written and oral communication and listening skills in interactions with a diverse patient population.

College-wide Outcomes

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Engineering

ENGR 100 - Careers in Engineering

Credits: 2

Explores the functions of engineering and computer science, branches of the professions, educational requirements, and transfer institutions offering these programs. Includes an introduction to the competencies required for programming, problem solving, engineering design, and the planning of a program of study necessary to receive a Bachelor of Science degree in engineering or computer science.

Course Outcomes:

Students who successfully complete this class will be able to:

- Delineate the requirements for obtaining a computer science, engineering, or engineering technology from the various fields for engineering at the numerous schools of engineering and computer science.
- Distinguish between the functions performed by the various disciplines.
- Define the competencies required in engineering design and problem solving, and the relationship to the curriculum requirements.
- Demonstrate good communication skills through written assignments, oral presentation and critiques of guest lecturers.
- Plan effective strategies for management of a demanding course load.
- Effectively function responsibly in a teamwork environment.

Program Outcomes

- Provide detailed and accurate descriptions of various physical systems.
- Solve multi-step problems in physical analysis.
- Identify pertinent elements of physical systems and problems.
- Design meaningful experiments and clearly report their conclusions.
- Interpret scientific data including the results of experiments designed by others.
- Apply mathematical tools to the solution of complex problems.
- Use electronic and numerical instruments as tools for investigation and analysis.

College-wide Outcomes

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ENGR& 104 - Introduction to Design

Credits: 5

Introduces design and communication principles using an engineering project approach. Stresses teamwork, design process, creative and analytical thinking, quantitative analysis, professionalism and ethics, social, economic and political context, and open-ended problems. Introduces the engineering design process by building group skills, understanding the effects of different learning styles, producing strategies for innovation, and fostering creativity in problem solving. Includes design projects, journal keeping, professionalism and ethical issues, and oral presentations.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform as an effective member of a team on a design project.

- Display an understanding of the engineering design competencies in teamwork, information gathering, problem definition, idea generation, evaluation and decision making, implementation, and communication, and apply these competencies to a design project.

- Communicate effectively in a team environment.

- Create focused problem definitions.

- Develop detailed plans and establish effective timelines.

- Assign and accept operational roles and responsibilities on a team.

- Demonstrate critical thinking skills by solving practical engineering application problems.

- Manage resources, (time, people, and material) to complete projects.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.

- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.

- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

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Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGR 106 - Introduction to Engineering Problems

Credits: 3

Introduces dimensional analysis and vector algebra and their use in solving engineering problems. Uses Newton's laws in problems involving forces, moments, acceleration and velocities. Discusses problem format, significant figures, statistics and error analysis, and their role in the design process.

Enrollment Requirement: ENGR 100 with a grade of 2.5 or higher or concurrent enrollment; MATH& 142 or higher with a grade of 2.5 or higher.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Use an engineering format for defining and solving problems.

- Use the standard notation for FLT and ML T dimensional systems and *Vector Algebra*.

- Mathematically construct Cartesian vectors from a magnitude and a wide variety of descriptions of direction in 3D space.

- Demonstrate calculation and definitions of vector addition and multiplication.

- Calculate moment of force using vector and scalar formulations.

- Use critical thinking skills by separating extraneous information from relevant data for problem solving.

Apply the basic rules of dimensional analysis to principles of homogeneity and systems of units.

Program Outcomes

Use engineering principles to solve problems related to engineering mechanics. Analyze a wide variety of physical systems using Newton's laws and free body diagrams in 3D space. Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ENGR& 114 - Engineering Graphics

Credits: 5

A beginning lab course focusing on visualization, sketching, and 3-D parametric modeling computer aided drafting (CAD). Introduces the basic design competencies and graphical solutions of spatial problems using basic engineering drawing principles. Provides skills in graphic communication and visualization of 3-D objects, as well as design and problem-solving skills. Recommended for all beginning engineering students.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop 3D visualization and sketching skills.
- Demonstrate skills in parametric solid modeling.
- Translate working knowledge of engineering drawings (orthographic, auxiliary and isometric).

Program Outcomes

Use engineering principles to solve problems related to engineering mechanics.

Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.

Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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ENGR 140 - Engineering Materials

Credits: 5

Investigates the basic principles relating to the structure and properties of materials used by practicing engineers. Provides discussion of the properties of organic and inorganic materials as related to their atomic, molecular, and crystalline structure.

Enrollment Requirement: CHEM& 161 with a grade of 2.5 or higher or concurrent enrollment.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the relationship between atomic bonding, crystalline structure, atomic coordination, crystal imperfections, and theoretical strength of the material.
- Interpret phase equilibrium diagrams and non-equilibrium phase transforms as they relate to a metal's mechanical properties.
- Define the thermal and electrical properties of materials such as ceramics, metals, multiphase systems, and natural and synthetic polymers.
- Conduct laboratory experiments in the investigation of material properties and illustrate the fundamentals relating to the structure and properties of materials.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.
- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.

Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

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Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGR& 204 - Electrical Circuits

Credits: 5

Introduces basic electrical circuits and systems. Topics include basic analysis techniques, nodal and mesh analysis, and Thevenin and Norton equivalent circuits. Applies linear differential equations to basic circuits. Concurrent enrollment in MATH 238 is desirable.

Enrollment Requirement: MATH& 163 and PHYS& 222 with grades of 2.5 or higher.

Satisfies Requirement: Natural Science

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use proper analysis techniques to determine voltage, current, and power requirements of various simple circuits.

- Accurately describe and apply nodal and mesh analysis methods and reduce circuits using Norton and Thevenin equivalencies when appropriate.

- Analyze and design circuits using simplified operational amplifier analysis.

- Analyze voltage, current, and power in linear differential circuit components, and apply this analysis to practice applications (e.g. filters).

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.
- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.
- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGR& 214 - Statics

Credits: 5

A fundamental course in the mechanics of rigid bodies in static equilibrium conditions. Solves practical engineering problems involving the loads carried by structural components using Static principles, vector notation and calculus for mathematical modeling. Teaches principles and their limitations within the context of engineering applications and the engineering design process.

Enrollment Requirement: ENGR 106 and MATH& 152 with grades of 2.5 or higher or concurrent enrollment.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Construct free body diagrams of force distribution systems based on the physical and mathematical principles of mechanics.

Apply the principles of Newton's laws to determine structural reaction forces in particle and extended systems at joints as well as in the internal structure of members.

Use method of sections and method of joints to analyze truss structures.

Apply the principles of calculus to describe the effect of distributed loads on a structural body.

Calculate first and second moments of area, as well as centroids and radius of gyration of cross sections.

Program Outcomes

Use engineering principles to solve problems related to engineering mechanics.

Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.

Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ENGR& 215 - Dynamics

Credits: 5

An in-depth treatment of the dynamics of particles and rigid bodies using vector analysis. Topics include kinematics, kinetics, momentum, and energy principles for both particles and rigid bodies. A required course for numerous engineering programs.

Enrollment Requirement: ENGR& 214, MATH& 152 and PHYS& 221 with grades of 2.5 or higher.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret the motion of a point in cartesian, cylindrical, and normal/tangential coordinates.
- Apply the principles of kinematics and kinetics to dynamic particle systems.
- Describe particle kinematics using energy/work, as well as impulse/momentum, and create preferences for when each method is most appropriate.
- Apply the principles of dynamics to extended systems undergoing general planar motion, including principles of angular momentum.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.
- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.
- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGR& 224 - Thermodynamics

Credits: 5

Introduces the basic principles of thermodynamics. Covers energy transformations, work and heat, ideal and real gases, first and second laws of thermodynamics, and applications to engineering systems.

Enrollment Requirement: CHEM& 161, MATH& 152, and PHYS& 221 with grades of

2.5 or higher.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Define and apply the basic laws and quantities of relevance in thermodynamic analysis (e.g. heat, pressure, enthalpy, entropy, etc.).
- Analyze thermodynamic processes and cycles within the conceptual frameworks of the zeroth, first, and second laws of thermodynamics.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.
- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.
- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ENGR& 225 - Mechanics of Materials

Credits: 5

A rigorous investigation of the concepts of stress and deformation in structural members. Focuses on the development of basic relationships between loads, stress, and deformation in members such as beams, columns, shafts, and tension members.

Enrollment Requirement: ENGR& 214 and (MATH& 163 or concurrent enrollment) with grades of 2.5 or higher.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Mathematically model and determine the stress and deformation in axially loaded members.
- Determine the stress and deformation in beams of various shapes.
- Determine the stress and deformation in shafts loaded in pure transverse shear.
- Demonstrate a thorough knowledge of stress strain diagrams.
- Show the use of Mohrs circle in analyzing combinations of stresses, normal and shear, in a structural member.
- Calculate the critical load for the buckling stability of columns.
- Apply the above analytical principles to engineering design.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.
- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.
- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

ENGR 250 - Numerical Methods Using MATLAB

Credits: 5

Introduces students to the use of computers and the MATLAB program to solve engineering problems using applied numerical method. Students learn how to implement important and fundamental numerical methods, with applications from a variety of courses, including the engineering mechanics sequence (ENGR& 214, CS 132 and ENGR& 215), ENGR& 224 - Thermodynamics, and Electrical Circuits (ENGR& 204).

Enrollment Requirement: MATH& 254 or MATH 240 or MATH 238 with grades of 2.5 or higher.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Write and document effective MATLAB scripts involving logical and iterative flow control.

- Effectively utilize vector and matrix operations in MATLAB as they apply to numerical methods, both element-wise, and matrix-wise.

- Clearly communicate relevant results via graphical methods in MATLAB and via written explanation.

- Utilize a variety of numerical methods to solve an even larger variety of applied numerical problems.

- Identify the difference between analytic methods and numerical methods and their applications to applied mathematical problems.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.

- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.

- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGR 271 - Digital Circuits and Systems

Credits: 5

Overview of digital computer systems. Digital logic, Boolean algebra, Finite state machines, combinational and sequential circuits and logic design, programmable logic devices, and the design and operation of digital computers, including ALU, memory, and I/O. Weekly laboratories.

Enrollment Requirement: Eligible for MATH& 141 or higher. **Recommended:** MATH& 142

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Design digital logic circuits, both combinational and sequential.
- Use computer-aided design tools to develop complex digital circuits.
- Prototype designs using programmable logic devices.
- Use computer-aided design tools for design of complex digital logic circuits.
- Model, simulate, verify, and synthesize with hardware description languages.

Program Outcomes

- Use engineering principles to solve problems related to engineering mechanics.
- Analyze a wide variety of physical systems using Newton's Laws and free body diagrams in 3D space.
- Transfer to a Bachelor's program in Engineering with the necessary aptitude to succeed in upper-division coursework.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Quantitative and Symbolic Reasoning - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

English

ENGL 90 - Spelling Improvement

Credits: 3

For students who want to increase their proficiency in spelling. Students learn to apply basic spelling rules to sound out words that are spelled phonetically, and to memorize commonly misspelled words that are not spelled entirely by sound. Includes lecture, discussion, class exercises, homework review, and testing in each concept-based unit.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply phonics and will utilize visualization.

- Divide words into syllables and place accent marks.

- Illustrate the major rules of spelling including applying basic spelling rules, sounding out words that are spelled phonetically and memorizing commonly misspelled words.

- Demonstrate a minimum proficiency of 80% on each test as well as on the final exam.

Program Outcomes

- Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 97 - English Express: Integrating Reading and Writing

Credits: 10

An accelerated course that enables students to more rapidly progress to college English. Focuses on integrated reading and writing and takes a process approach to issues central to college literacy and writing including information literacy, critical thinking, summary, analysis, synthesis and evaluation. Students will also learn college success strategies such as goal setting, academic and career planning, college resource utilization, financial literacy, time management, and persistence strategies.

Enrollment Requirement: Appropriate placement score.

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice various reading skills (inference, synthesis, annotating, summary, etc.) on a diverse range of texts, reading rhetorically and metacognitively for purpose, evidence, audience, and patterns of organization.

Apply writing process steps (brainstorming, drafting, outlining, peer review, revision, editing, and metacognitive reflection) to develop and organize ideas that emerge from the reading process.

Write coherent essays with clear focuses, purposes, and/or thesis statements developed with effective rhetorical approaches, evidence, audience awareness, and patterns of organization in writing.

Develop information literacy skills: identify key words, construct searches, navigate databases and other research tools, and evaluate information sources/types.

Enter academic conventions by integrating source material and documenting sources.

Apply academic English conventions of grammar and mechanics critically.

Implement student success skills, tools, mindsets, and strategies such as time management and goal setting skills, utilizing college resources, and academic planning.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

Evaluate how social, economic, and/or political situations can affect the way ideas are produced, distributed, and received.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 99 - Introductory Composition

Credits: 5

Intensive writing course designed to prepare students for ENGL& 101. Focuses on college-level composition skills (composition and revision processes) and college-level reading analysis. Presents a general review of the rules of English grammar and spelling.

Enrollment Requirement: ENGL 97 with a grade of 2.0 or higher; or appropriate English/reading placement; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Apply writing process steps (brainstorming, drafting, outlining, peer review, revision, editing, and metacognitive reflection) to develop and organize ideas that emerge from the reading process.

Write thesis-driven essays, focusing specifically on purpose, rhetorical approach, claim, evidence, audience, and patterns of organization.

Integrate source material and document sources in order to enter academic conversations.

Apply academic English conventions of grammar and mechanics critically.

Practice various reading skills (inference, synthesis, annotating, summary, etc.) on a diverse range of texts, reading rhetorically and metacognitively for purpose, evidence, audience, and patterns of organization.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

Written Communication- Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL& 101 - English Composition I

Credits: 5

A composition course designed to teach critical reading and clear, purposeful, and effective writing. Writing tasks are related to course readings and prepare students for writing assignments in other college classes.

Enrollment Requirement: READ 104 and ENGL 99, with a grade of 2.0 or higher; or concurrent enrollment in ENGL 117; or TS or TS-OD 65/66/76/77/85/86 with a grade of 2.5 or higher; or ENGL 97 with a grade of 3.5 or higher; or appropriate English/reading placement score.

Satisfies Requirement: Basic Skills/Communication

Course Outcomes:

Students who successfully complete this class will be able to:

Actively read texts and apply critical strategies such as response, interpretation, critique, analysis, and synthesis.

When writing, analyze the rhetorical situation (audience, purpose, genre, et cetera) to make intentional choices for varying situations, modalities, and genres.
Compose thesis-driven claims supported by the integration of, response to, and synthesis with credible sources.
Demonstrate effective use of writing processes, which may include pre-writing, drafting, and peer review.
Demonstrate awareness of how social position and geopolitical location can affect identity, perspective, expression, and / or action.
Use research processes to identify information needs and locate and critically evaluate information sources.
Critically apply the conventions of academic writing, which include grammar, punctuation, spelling, and documentation of sources.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.
Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.
Evaluate how social, economic, and/or political situations can affect the way ideas are produced, distributed, and received.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 105 - Grammar and Usage

Credits: 5

Teaches the structure of sentences through analysis of the five basic patterns and their alterations. Principles of usage and punctuation are presented as they relate to the structure of the sentence. Students may take this course to improve their grammar and usage and their editing skills.

Enrollment Requirement: Eligible for ENGL 97 or 99; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify simple and complex use of basic parts of speech in sample sentences.
- Identify the use of fragments.
- Identify conventional use of punctuation such as periods, commas, and semicolons as used in simple, compound, and/or complex sentences.

Explain the grammatical meaning expressed by specific verb tense uses.

Program Outcomes

Students will produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 106 - Vocabulary Mastery

Credits: 5

For transfer and pre-professional students who wish to increase their vocabularies and develop more effective vocabulary skills. Emphasizes increasing knowledge of vocabulary to enhance reading, writing, and speaking.

Enrollment Requirement: Eligible for READ 104, or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Students will develop proficiency in college-level vocabulary skills.

Develop general as well as specialized vocabularies that may be drawn from specific vocational and academic fields.

Learn Latin and Greek prefixes and roots.

Display knowledge of vocabulary by defining words through context, through constructing categories, through use of synonyms and antonyms, and by introducing new words into speech and writing.

Program Outcomes

Students will produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 109 - Writing for Trades and Career/Technical Degrees

Credits: 5

Teaches critical reading and clear, effective, practical college writing. Readings are keyed to career/technical topics. Writing assignments reflect actual work products,

including letters, memoranda, surveys, reports, evaluations, and proposals.

Enrollment Requirement: ENGL 97 with a grade of 2.0 or higher, or eligible for READ 104, or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Create and design digital documents for internal and external facing audiences.
- Identify and analyze potential ways to adapt communication to a variety of audiences.
- Create and design a variety of business documents, such as emails, PowerPoint, proposals, resume, sales messages, business presentations, and processes.
- Communicate positive and negative information to various audiences.
- Create graphics to supplement or complement digital documents.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

- Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL& 112 - Introduction to Fiction

Credits: 5

Increases understanding and appreciation of fiction through intensive reading and analysis of short stories.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the common elements of short fiction texts.
- Examine a variety of short stories and authors from a range of perspectives based on race, gender, class, sexuality, disability, and/or geographic location.
- Demonstrate reading skills and strategies for the analysis of short fiction.
- Explain the ways in which short fiction connects with diverse human experiences.
- Compose written interpretations in response to short fiction texts.

Participate in discourse about the stories and the associated themes, engaging a range of diverse perspectives and interpretations.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 113 - Introduction to Poetry

Credits: 5

Increases understanding and appreciation of poetry through a study of poetic techniques and through extensive readings in various poetic forms by selected poets.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the common elements of poetry, including structure, sound patterns, and meaning.
- Apply "close" reading skills and various critical approaches in order to analyze, interpret, and evaluate works of poetry through written responses and discussion.
- Compare how the contexts of history, region, cultural identity, and mode inform poetic voice and form.
- Define how poetry reflects and creates language and culture, which include psychological emotional, and spiritual expression.
- Determine how the aesthetic experience of poetry includes embodied responses such as pleasure, wonder, and sympathy for self and others.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 114 - Introduction to Drama

Credits: 5

Increases understanding and analytical skill of drama through extensive reading and analysis of Greek, Renaissance, modern, world, and modern plays. Various elements of dramatic literature are studied, including character, dialogue, staging, audience, conflict, and symbolism.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the common elements of dramatic texts and performances.

- Examine a variety of plays, the playwrights, and types of productions from a range of perspectives based on race, gender, class, sexuality, disability, and/or geographic location.

- Demonstrate reading skills and strategies for dramatic works.

- Explain the ways in which the dramatic arts connect with diverse human experiences.

- Compose written interpretations in response to the dramatic texts and performances.

- Participate in discourse about plays, performances, and the associated themes, engaging a range of diverse perspectives and interpretations.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 115 - Introduction to Novels

Credits: 5

An introduction to the form of the novel and its development and evolution through time, with a focus on reading, analyzing, and interpreting historically significant as well as contemporary novels from a variety of cultural backgrounds.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the common elements of novels.
- Examine a variety of novels and authors from a range of perspectives based on race, gender, class, sexuality, disability, and/or geographic location.
- Demonstrate reading skills and strategies for the analysis of novels.
- Explain the ways in which novels connect with diverse human experiences.
- Compose written interpretations in response to novels.
- Participate in discourse about the novels and the associated themes, engaging a range of diverse perspectives and interpretations.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 117 - Accelerated Support for ENGL& 101 Success

Credits: 3

A fully integrated support course for ENGL& 101 for accelerated and traditional students. Helps students succeed in ENGL& 101 by providing additional coaching in critical thinking skills; time management and study skills; active, critical and cross-disciplinary reading techniques; enhanced writing instruction, and an integration of on-campus resources for additional support.

Enrollment Requirement: Concurrent enrollment in ENGL& 101; ENGL 97 with a grade of 2.0 or higher; Reading placement score; or high school transcript evaluation; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

By responding to student questions and going deeper into 101 course material and assignments. English 117 will help students more fully understand what is required of them in their English 101 course and provide tools to help them succeed (including cross-disciplinary reading and writing approaches).

It will explicitly address affective and non-cognitive factors that influence learning, such as confidence, systemic barriers to success, procrastination, navigating academic culture, and access to resources. The course will promote and provide tools for resilience, resourcefulness, and critical questioning.

The course will facilitate connection to campus and community services, such as advising and The Writing Center, which will help students address the aforementioned affective issues.

It will encourage students to connect their interests and language practices to what they are learning in the course. It will bridge students' previous knowledge/learning with those being taught in the 101 courses.

In the tradition of writing studios, it will facilitate a space that encourages questioning, critique, confusion, and resistance. The teacher will play the role of "coach" and co-leader to facilitate a more collaborative, supportive, studio-like atmosphere.

It will allow for more individualized forms of support to help target students' individual interests and needs.

Program Outcomes

Students will produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 126 - Writing: Humanities

Credits: 5

A composition course with readings designed to teach research-based writing in the disciplines of the humanities. Continues to develop the reading and writing skills taught in ENGL& 101 but emphasizes the development of academic research and writing skills. Students engage in critical thinking throughout the course, which includes analysis, interpretation, and evaluation of humanities texts and the documentation and synthesis of multiple sources and evidence.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher.

Satisfies Requirement: Basic Skills/Communication

Course Outcomes:

Students who successfully complete this class will be able to:

- Critically read and analyze both primary and secondary texts in the Humanities (e.g. literature, film, art, and music).

- Distinguish among and utilize critical approaches to humanities subjects.

- Compose thesis-driven arguments supported by the integration of, response to, and synthesis with relevant, appropriate primary and secondary sources.

- Demonstrate effective use of writing processes, which may include pre-writing, drafting, and peer review.

- Examine readings and their own writing as situated within specific historical, social, political, economic, and cultural contexts that affect identity, perspective, expression, and/or action.

- Apply both the processes and methodologies of research to write a research paper.

- Critically apply the conventions of academic writing including source integration and documentation (MLA format).

Program Outcomes

- Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

- Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

- Evaluate how social, economic, and/or political situations can affect the way ideas are produced, distributed, and received.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 127 - Writing: Social Science

Credits: 5

A composition course with readings designed to teach research-based writing in the social sciences. Continues to develop the basic reading and writing skills taught in ENGL& 101 but emphasizes the development of academic research and writing skills. Students engage in critical thinking, which includes the analysis, interpretation, evaluation, documentation, and synthesis of multiple sources and evidence.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher.

Satisfies Requirement: Basic Skills/Communication

Course Outcomes:

Students who successfully complete this class will be able to:

Read and evaluate a range of sources in the social sciences; situate sources in their historical, social, political, economic and cultural contexts.

Practice writing as a recursive process that includes topic selection and narrowing, prewriting planning, drafting, revising and editing, and use tone, style, organization, content, and argument to meet the needs and expectations of specific writing contexts and audiences to produce writing that is professional in substance, format, and appearance.

Identify, evaluate, and be able to develop the conventional components of an academic argument, including research question, claim, reasons, support, warrants (assumptions, values, beliefs, etc.), qualifiers, and engagement with multiple points of view. Respectfully consider and engage the diverse perspectives and intellectual contributions of others within the classroom.

Gain familiarity with a range of research tools and resources, including library materials, electronic databases, the World Wide Web, interviews, etc.; choose appropriate tools to find a wide and diverse range of secondary sources, including scholarly articles, and critically evaluate those sources.

Apply the conventions of various common forms of research writing, which may include annotated bibliography, research proposal, literature review, research-based argument, among others.

Accurately and effectively incorporate and comment upon references to a variety of sources; recognize the differences among summary, paraphrase, and quotation, and when to use each; cite sources according to APA (American Psychological Association) style; understand and avoid plagiarism.

Recognize and analyze the various qualitative and quantitative research methods employed in the social sciences, such as survey, ethnography, primary source analysis, observation, experiment, etc.

Develop awareness of how social position and geopolitical location can affect identity, perspective, expression, and/ or action. Evaluate how social, economic, and or political power can affect the way ideas are produced, distributed, and received.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

Evaluate how social, economic, and/or political situations can affect the way ideas are produced, distributed, and received.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 128 - Research Writing: Science/Engineering/Business

Credits: 5

A composition course with readings designed to teach research-based writing in the sciences, engineering and business. Continues to develop the basic reading and writing skills taught in ENGL& 101 but emphasizes the development of academic research and writing skills. Students engage in critical thinking which includes the analysis, interpretation, evaluation, documentation, and synthesis of multiple sources and evidence.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher.

Satisfies Requirement: Basic Skills/Communication

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Read and evaluate a range of sources in the sciences, engineering, and business; situate sources in their historical, social, political, economic and/or cultural contexts.

- Practice writing as a recursive process that includes topic selection and narrowing, prewriting, research, planning, drafting, revising and editing, and use tone, style, organization, content, and argument to meet the needs and expectations of specific writing contexts and audiences to produce writing that is professional in format and appearance.

- Identify, evaluate, and be able to develop the conventional components of an academic argument, including research question, claim, reasons, support, warrants (assumptions, values, beliefs, etc.), qualifiers, and engagement with multiple points of view. Respectfully consider and engage the diverse perspectives and intellectual contributions of others within the classroom.

- Gain familiarity with a range of research tools and resources, including library materials, electronic databases, the World Wide Web, interviews, etc.; choose appropriate tools to find a wide and diverse range of secondary sources, including scholarly articles, and to evaluate critically those sources.

Apply the conventions of various common forms of research writing, which may include annotated bibliography, research proposal, literature review, research based argument, among others.

Accurately and effectively incorporate and comment upon references to a variety of sources; recognize the differences among summary, paraphrase and direct quotation and when to use each; cite sources according to documentation style guides appropriate to specific disciplines within the range of humanities (APA, MLA, CSE, CMS); understand and avoid plagiarism.

Recognize and analyze the various qualitative and quantitative research methods employed in the sciences, engineering, and business, such as survey, interview, ethnography, primary source analysis, observation, experiment, statistical analysis, among others.

Develop awareness of how social position and geopolitical location can affect identity, perspective, expression, and/or action. Evaluate how social, economic, and/or political power can affect the way ideas are produced, distributed, and received.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

Evaluate how social, economic, and/or political situations can affect the way ideas are produced, distributed, and received.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 160 - Women's Literature

Credits: 5

Focuses on literature by women-identified writers and the complex social constructions of "womanhood," "femininity," and sexuality. Examines literature produced from various literary periods, nations, cultures, and positions of power; a variety of literary forms and their critical elements; theoretical approaches to understanding and analyzing literary work, with an emphasis on those approaches most germane to women's literature.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply literary elements and disciplinary terminology in reading and analyzing various literary genres.
- Synthesize historical and cultural contexts when evaluating texts.
- Apply to evaluation of texts complex social constructions of "womanhood," "femininity," and sexuality.
- Apply to evaluation of texts the politics of representation, with particular attention to intersectional positions of power and identity.
- Apply appropriate theoretical approaches to analyzing literary work.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 161 - Cultures of Desire

Credits: 5

Examines literary and cultural representations of desire associated with love, money, intercultural relations, justice, the erotic, etc. from a diverse range of mainstream and under-represented U.S. and global communities. Studies the operations of desire in literature, music, the arts, and film, among other cultural forms, with attention to fulfillment, oppression, resistance, and empowerment for various identities.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Investigate the role and significance of desire in the functioning of literary and cultural texts, especially in representations of love, the erotic, sexuality, the body, the spirit, and community, whether obvious or hidden, explicit or implied.

- Identify elements and processes of hegemony--e.g., idealization, normativity, repression, displacement, etc.-and resistance as these operate within texts, for example, with regard to historic and current concerns relating to gender, sexual orientation, pleasure, morality, transcendence, justice, children, censorship, pornography, violence, disease, deviance, etc.
- Understand the historical, cultural and political contexts within which literary and cultural texts emerge and have influence, including how power relations, social movements, and scientific discourses (such as biology, medicine, psychology, sexology, among other disciplines) have impacted the representation and meaning of desire in various contexts.
- Examine the intersections of gender, sexuality, race, ethnicity, class, (dis)ability, age, religion, and/or location as these may shape representations of desire, situating them within comparative social and cultural contexts.
- Explore past and current aspirations towards sexual freedom, empowerment and/or liberation as expressed in diverse literary and cultural productions, including heterosexual contexts as well as those of marginalized groups such as the LGBT community and the (dis)abled, among others.
- Apply critical thinking and multiple strategies of interpretation, including literary critical schools such as poetics, feminisms, queer theory, psychoanalysis and/or cultural studies.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 162 - LGBTQ Literature

Credits: 5

An examination of stories, poems, and work of other genres addressing lesbian, gay, bisexual, transgender, and queer (LGBTQ) identities. Applying lenses of culture, race, nationality, religion, and history, the course examines LGBTQ literature's interactions with cultural and historical constructions of sexuality and gender. Coursework includes critical/cultural theory, writing, and research.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Compare literary works from different cultures and subcultures, nationalities, historical periods, and other contexts to analyze the different cultural constructions of gender and sexuality these works support or challenge.
- Connect literary texts to arguments and models from critical and cultural theory.
- Evaluate the intersecting roles of culture, race, nationality, religion and history in framing, creating, and controlling sexual and gender identities and practices, as portrayed in literary writing.
- Write original arguments about LGBTQ literature.
- Investigate research problems in the fields of LGBTQ literature and queer studies.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 163 - The Poetics of Rap and Hip Hop

Credits: 5

Deals with the elements of literature as applied to rap and hip hop. In addition to detecting use of poetic characteristics in lyrics, students analyze meaning and craft to explore the connections between rap music and poetry.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify a variety of rap and hip hop texts. including lyrics, biography, fiction, and film, along with related literary criticism.
- Investigate the historical, cultural, and political contexts within which literary works emerge and function.

Discuss the evolving definitions, functions, and struggles around "race" and ethnicity as expressed in the literature.

Discuss the intersections of race, gender, class, and sexuality as these inform the literature.

Engage in close reading and critical thinking in relation to texts and contexts.

Write to gain greater confidence in producing literary criticism.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 164 - Film as Literature

Credits: 5

Students view and then write about films through a literary analysis lens using both literary and film terms and techniques in order to interpret and analyze them. Students discuss and write about the films focusing on themes, symbolism, genre, social and historical context, bias, points of view, plot development, and character development. Course also uses scripts and a film as literature textbook for deeper exploration of the films.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

View films with a critical eye versus "passive watching."

Identify basic literary terms and techniques as well as basic film terminology in order to develop the tools needed to discuss and write about the films analytically.

Recognize and discuss specific film genres.

Discuss themes, symbolism, social and historical context, bias, points of view, plot development, and character development in the films.

Write critical analyses and evaluations of the selected films.

Apply critical thinking and multiple strategies of interpretation of the films. including theoretical and literary critical frameworks such as poetics, feminism/gender politics, class and race politics, psychoanalysis, historical contexts, mythological contexts, and so on.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 165 - Introduction to the Myths of the World

Credits: 5

Introduces the concepts of mythology with an overview of significant world myths- western and non-western, ancient and modern, oral and textual. Explores myths thematically and critically, addressing such aspects as identity, gender, religion and spirituality, ecological concerns, political and social structures. Discusses major critical approaches including psychological, structural, anthropological, literary, and indigenous theories for interpreting myth.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify world myths comparatively in many forms.
- Comprehend the integral nature of myth in all cultures.
- Discuss how mythic structures influence attitudes towards ethnicity, gender, sexuality, the relationship of the individual to the community, a people's spirituality and religion, ecology, and other significant aspects of any culture.
- Discuss multiple Interpretations of living myths, including their meanings as seen from within a culture versus from the outside.
- Apply critical thinking and reading skills to the study of myth.
- Comprehend the significance of myth in literature and art.
- Write responses to literature.

Critically reflect through discussion.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 168 - Introduction to Irish Literature

Credits: 5

Presents the main themes of Irish literature from its ancient bardic and epic beginnings to current concerns of politics, gender, and cultural identity. Placing the poetry, drama, short stories and novels in historical and cultural context, including English colonization and the Celtic Revival, we will explore how Irish literature has maintained a people's identity, as well as challenged external hegemony.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Comprehend the significance of Irish literature in the context of the Western canon.

Identify the significant events in Irish history that have helped to form its literary traditions.

Discuss how traditional stereotypes of the Irish people have been used to marginalize and control the nation.

Discuss the role of Irish writers in shattering external definitions and solidifying Irish identity from the inside.

Discuss key moments in Ireland's literary history and connect them to political and social movements of liberation.

Articulate in writing and through class discussion the major elements of each particular genre being read.

Critically read various literary genres.

Write responses to literature.

Critically reflect through participation.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 176 - Introduction to Science Fiction Literature

Credits: 5

Encourages students to engage critically with the imaginative and speculative nature of science fiction while fostering an appreciation for and understanding of the genre's diverse and significant contributions to literature. Students will explore and analyze various science fiction texts through a multitude of literary lenses and frameworks, with close attention paid to how cultural, historical, and political themes are manifested in the text as well as how said texts explore issues related to race, gender, equity, environmentalism, technology, utopias/dystopias, and imbalanced power structures. Students will synthesize their engagement with course content through discussion, written work, research projects, and/or responses composed using other modalities.

Enrollment Requirement: Eligible for ENGL 99 - Introductory Composition; or instructor permission.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify literary elements and forms in various texts within the genre of science fiction.
- Utilize multiple literary critical frameworks and paradigms to analyze science fiction texts.
- Identify major literary movements, significant authors, and important sub-genres within the science fiction literature canon.
- Identify how issues related to race, gender, religion, environmentalism, equity, and power structures influence the ways science fiction texts are written and read.
- Be able to discuss how historical, technological, and cultural developments have influenced science fiction literature.
- Develop critical commentary of science fiction texts through participation in class discussion and formal written and multimodal assignments.

Develop critical commentary of science fiction texts through research.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Diversity and Equity - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 180 - Children's Literature

Credits: 5

Deals with the elements of literature as applied to children's books ranging from wordless picture books to junior high-level reading. Specific subjects include character, plot, setting, theme, point of view, style, and tone as applied to poetry and prose written for children. Addresses visual communication through analysis of illustrations accompanying the texts.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize, analyze, and comment on the literary elements as they appear in children's books.

Select books suitable to specific audiences and purposes.

Critique children's books on the basis of text and illustrations.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 181 - Literary Approaches to Pop Culture

Credits: 5

Presents a critical view of literary theories applied to popular culture in a variety of forms (literature, television, advertising, music). Students study examples of works of popular culture and produce their own literary and social commentary in a variety of forms.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify principles of a variety of theories of literary criticism. (This may include but not be limited to formalist, deconstructionist, historical, biographical, reader-response, socio-economic, gender-based, cultural studies, postmodernism.)

Distinguish similarities and differences among the schools of literary critical theory.

Apply critical thinking skills to a variety of forms of expression in popular culture.

Identify and/or evaluate the roles of elements of style and content in presenting central themes or ideas in specific works or movements in popular culture.

Summarize a work of critical analysis.

Produce at least two examples of critical commentary on current popular culture, one of which may be a collaborative work.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 183 - Detective and Mystery Fiction

Credits: 5

Presents a critical view of literary theories applied to the genre of mystery/detective texts. Students examine themes, conventions, and cultural assumptions expressed through classic or contemporary texts. Students then produce their own literary commentary on the social, cultural, political, psychological, etc. The commentary and texts may be in traditional or nontraditional form, including written, oral, visual, multimedia, etc.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

1. Identify principles of a variety of theories of literary criticism. (This may include but not be limited to formalist, deconstructionist, historical, biographical, reader-response, socio-economic, gender-based, cultural studies. postmodernism.)
2. Distinguish similarities and differences among the schools of literary critical theory.
3. Apply critical thinking skills to a variety of forms of expression in the mystery/detective genre.
4. Identify and/or evaluate the roles of elements of style and content in presenting central themes or ideas in specific texts in the mystery/detective genre.
5. Review one or more texts of critical analysis.
6. Produce examples of critical commentary on texts within the mystery/detective genre, one of which may demonstrate collaborative work.
7. Write responses to literature.
8. Critically reflect through participation.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 185 - The Bible as Literature

Credits: 5

Students study the Bible as the main literary text. Students also study the history and cultures of biblical and neighboring peoples. Students understand and apply a variety of literary approaches and concepts such as archetypal, traditional, feminist, symbolic/figurative, and paradigmatic. Readings focus on the Hebrew Bible with a few samples from the New Testament.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply literary approaches to selected Biblical texts.
- Identify key texts from the Hebrew Bible and New Testament.
- Identify important historical, geographic, and cultural background information that contributes to a literary reading of Biblical texts.
- Discuss the nature and current state of literary Biblical scholarship.
- Discuss the aesthetic elements in Biblical writings.
- Write responses to literature.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 190 - Young Adult Literature

Credits: 5

Deals with elements of literature as applied to young adult books ranging from junior high-level reading to senior high level reading. Specific subjects include character, plot, setting, theme, point of view, style, and tone as applied to prose and other literary media written for young adults.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize, analyze, and comment on the literary elements as they appear in adolescent books.
- Select books suitable to specific audiences and purposes.
- Critique adolescent books on the basis of the text and illustrations.
- Write responses to literature.
- Critically reflect through participation.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL& 220 - Introduction to Shakespeare

Credits: 5

A study of a selection of Shakespeare's comedies, histories, and tragedies. Plays

included may vary each quarter that the course is offered. Selections may include plays being staged in the Seattle area and those to be presented in the forthcoming season at Ashland Shakespearean Festival.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply reading and analysis techniques to a selection of Shakespeare's plays and sonnets.

- Evaluate the literary characteristics of Shakespearean sonnets and plays: comedies, histories, and tragedies.

- Identify the political, social, and literary contexts of the plays and sonnets.

- Recognize the continued relevance of Shakespeare's works.

- Examine and evaluate stage, screen, and/or television adaptations of the plays.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 226 - British Literature I: 7th to 16th Century

Credits: 5

An historical and critical survey of selected works of English literature from the seventh through the 16th centuries. Readings may include selections from Beowulf, The Canterbury Tales, The Alliterative Revival, early English drama, and early English prose and lyric poetry.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the common elements in British literature of the 19th through the 21st centuries.
- Identify the characteristics of the Romantic, Modern, and Post-Modern eras as they are found in British literature of these periods.
- Apply the study of literature to develop critical thinking and reading skills by introducing the problems of analysis and interpretation of specific literary periods.
- Apply critical thinking and reading skills to the study of the literary works of specific eras.
- Discuss the importance and relevance of the literature of the Romantic, Modern, and Post-Modern eras to the contemporary world (especially as the literature relates to the psychological and spiritual needs of the peoples of the world today).

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 227 - British Literature II: 17th to 18th Century

Credits: 5

An historical and critical survey of selected works of English literature of the 17th and 18th centuries, including the metaphysical and neoclassical movements and their historical contexts.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the common elements in British literature of the seventeenth and eighteenth centuries.
- Discuss the characteristics of the Puritan Revolt, the Restoration, and the Neoclassical eras as they are found in British literature of these periods.

Use the study of literature to develop critical thinking and reading skills by introducing the problems of analysis, interpretation, and evaluation in response to works of a specific literary period.

Apply critical thinking and reading skills to the study of the literary works of a specific era.

Discuss the importance and relevance of the literature of the Puritan Revolt, the Restoration, and the Neoclassical eras to the modern and the contemporary world (especially as the literature relates to the psychological and spiritual needs of the world today).

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 228 - British Literature III: 19th to 21st Century

Credits: 5

An historical and critical survey of selected works of English literature of the 19th through the 21st centuries, including representative writers of Romanticism, modernism and postmodernism and their historical context.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss the common elements in British literature of the 19th through the 21st centuries.

Discuss the characteristics of the Romantic, Modern, and Post-Modern eras as they are found in British literature of these periods.

Use the study of literature to develop critical thinking and reading skills by introducing the problems of analysis and interpretation of specific literary periods.

Apply critical thinking and reading skills to the study of the literary works of specific eras.

Discuss the importance and relevance of the literature of the Romantic, Modern, and Post-Modern eras to the contemporary world (especially as the literature relates to the psychological and spiritual needs of the peoples of the world today).

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 235 - Introduction to Technical Communication

Credits: 5

Focuses on the varied genres, rhetorical situations, and work patterns of technical communication across an array of professional and academic contexts.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Basic Skills/Communication

Course Outcomes:

Students who successfully complete this class will be able to:

Create both individual and collaborative projects that demonstrate knowledge of purpose, audience, topic, writer's identity, context, and genre as it relates to technical and professional communication.

Experiment with New Media for projects that call for digital communication, with specific attention paid to purpose, audience, topic, writer, and context.

Evaluate style, form, convention, and information design, both in one's work and the work of others.

Apply research processes and use appropriate resources based on need, circumstance, and type of inquiry to provide sound evidence and support for projects.

Design and produce communications that include visuals that are accurate, ethical, and accessible and from which more than one audience can extract the information quickly and easily.

Reflect on how individuals' diverse educational, cultural, and linguistic backgrounds, as well as varying levels of expertise, influence how students understand technical communications and professional writing.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL& 236 - Creative Writing I

Credits: 5

A discussion and application of the principles and techniques used in writing fiction and poetry. Development of analytical skills to enhance the writing of fiction and poetry. Includes readings of sample fiction and poetry.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create original written work in multiple genres-such as poetry, fiction, nonfiction, and/or others-that achieves its expressive purpose and engages its reader.
- Employ a variety of creative devices, including plot, characterization, setting, sound, imagery, and figurative language as the genre demands.
- Analyze contemporary literature from diverse cultural and aesthetic contexts for concerns of craft, genre expectations, and creative expression.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL& 237 - Creative Writing II

Credits: 5

Develops skills in using techniques for writing poetry (metaphor and simile, use of diction, irony, imagery, sound, and structure) and develops skills in using techniques for writing fiction (generating ideas; controlling viewpoint; and exploring development of theme, tone, symbols, and style).

Enrollment Requirement: ENGL& 236.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create original written work in a range of styles by refining and elaborating on skills developed in an introductory creative writing course.

- Apply strategies, literary concepts, and critical theories drawn from a range of established writers in composing and revising original works.

- Generate and respond to peer feedback in a collaborative and recursive writing process.

- Survey and compare outlets for publishing in alignment with your author identity and readership, such as literary journals, small/micro presses, chapbooks, digital media, and/or self-publishing.

- Differentiate between the various processes and roles within the publishing profession, including author representation, developmental editing, copyediting, distribution, and promotion.

- Become familiar with literary websites, awards, readings, workshops, and publication opportunities, and submit manuscripts for publication or performance.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

- Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 239 - Espial Workshop

Credits: 5

Introduces students to the creative process of book publication. Students manage their process and partner with the ART 150 class to create a literary and visual arts journal on behalf of Green River College. Tasks and deadlines are self-assigned in curatorial, layout design, editing and promotion.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Produce a formal collection of students' creative works, including fiction, poetry, drawings, and photographs.

- Solicit, review, edit, select and format student submissions of literature and art.

- Organize, edit, evaluate, and select submissions to create the journal.

- Develop teamwork skills in the production of a journal, including the division of tasks and the learning of new skills (e.g. specialized technology, fundraising and marketing, cover design and aesthetic appeal).

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 244 - American Literature I: American Literature to 1860

Credits: 5

A study of the development of American literature from early Native American storytellers to 1860, focusing on Puritanism, the Enlightenment, Romanticism, and Transcendentalism as literary movements. Covers cultural, historical, and literary concepts that characterize these movements.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss selected American writers from early Native American storytellers through Melville.

- Apply questions and problems posed by earlier American writers to contemporary American life.

Discuss how earlier American writers offer universal insights into the human condition.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 245 - American Literature II: Civil War to WWI

Credits: 5

A study of American literature from the Civil War to World War I, with special attention given to the rise of realism and naturalism, including the works of Whitman, Dickinson, Twain, Chopin, Crane, Norris and Gilman.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss selected American writers from the Civil War to World War I.

Apply questions and problems of earlier American writers to contemporary American life.

Discuss how earlier American writers offer universal insights into the human condition.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 246 - American Literature III: WWI to Present

Credits: 5

A study of American literature in the modern world. Course may include the works of Baldwin, Cisneros, Collins, Ellison, Frost, Hemingway, Hughes, Oliver, Porter, Rich, Sexton and Walker.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss texts by American writers in the twentieth and twenty-first centuries.

- Apply questions and problems raised by modern American writers to contemporary American life.

- Discuss how contemporary American writers offer universal insights into the human condition.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 247 - American Ethnic Literature

Credits: 5

A study of American literature by ethnic writers, including selections from Native American, African American, Latinx, Asian American, and immigrant writing. Students read individual texts closely, explore various literary critical and comparative approaches, situate texts in their historical and cultural contexts, and produce their own written interpretations.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain familiarity with various literary genres within American ethnic literature, including fiction, drama, poetry and memoir, along with related literary criticism.
- Investigate the historical, cultural and political contexts within which literary works emerge and function.
- Understand the evolving definitions, functions and struggles around race and ethnicity as expressed in the literature.
- Explore the intersections of race, gender, class, and sexuality as these inform the literature.
- Engage in close reading and critical thinking in relation to texts and contexts.
- Develop a comparative understanding of the literature and experiences of different ethnic groups, including the relationship between ethnic literature and the traditional American canon.
- Improve writing skills and gain greater confidence in producing literary criticism.
- Demonstrate student responsibility by fulfilling requirements in a timely, engaged and serious manner.
- Successfully complete written responses to literature.
- Participate effectively, demonstrating critical reflection.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 248 - African American Literature

Credits: 5

A survey of African American literature from its colonial origins through the 21st century. Course requires close reading and written interpretation from among the following genres: African American fiction, poetry, drama, essays, songs, and film. Focuses on such historical periods/movements as abolitionism and the slave narrative,

Reconstruction, the Harlem Renaissance, the Black Arts Movement, and postmodernism.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Identify and evaluate key African American writers of literature, applying an African American approach to this study.

Examine the intersection of economics, history, culture, region, politics, religion, gender, and sexuality to African American literature.

Compare the historical relationships of African American lived experience and current African American lived experiences.

Assess how African American literature relates to society as a whole and/or how it relates to other literature of the dominant culture.

Investigate African American motifs, forms, and genres.

Improve writing and critical thinking as one works to communicate understanding of African American literature.

Program Outcomes

Students will demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 249 - U.S. Latinx Literature

Credits: 5

Examines the literary and cultural traditions of the Chicanx, Cuban American, Dominican American, Puerto Rican, and Central American writers in the United States. Course includes critically reading and interpreting fiction, drama, poetry, and essays as a way to make distinctions and interconnections between these Latinx communities. Themes including exile and exodus, religion and spirituality, patriarchy and feminism, sub/urbanism and border theory among others will inform students' understanding and

appreciation of the texts.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Comprehend significant political, historical, and geographical contexts that generate Latinx literary works.

- Distinguish the relevance and importance between genres such as fiction, drama, poetry, essay and the role that crossing genres plays in this literature.

- Contextualize the nexus that emerges between sexuality, class, gender, and ethnicity/complexion within a broader U.S. culture.

- Articulate the transforming circumstances, definitions, and debates that surround the construction of Latinx identities as informed by the literature and scholarly discourse.

- Incorporate close reading, critical analysis, and writing projects as tools for synthesizing Latinx literature.

- Successfully complete written responses to literature.

- Participate effectively, demonstrating critical reflection.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 250 - U.S. Indigenous Literatures

Credits: 5

A focus on the literary, oral, and cultural traditions of U.S. indigenous communities, including Native Americans, Alaska Natives, and Pacific Islanders. Course involves critically reading and interpreting important literary genres including non/fiction, drama, poetry, autobiography, critical essays, and epistolary works which can also be situated in other cultural narrative genres such as songs/chants/music, dance narratives, film and

documentary. Additionally, this course incorporates a study of historical, political, and cultural texts to contextualize the works. Examines how Native American writers combine tradition and contemporary ways to develop innovative forms of expression.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Comprehend significant political, historical, and geographical contexts that generate Native American works. Understand how the written literature has been shaped by colonial contact and by external cultural and political forces while understanding how Native American writers have continued to incorporate elements from their traditional cultures into their work as a way of resisting assimilation and/or cultural extermination.

Distinguish the relevance and importance between genres such as autobiography, non/fiction, drama, poetry, songs/chants/music, dance narratives, critical essays, epistolary works and/or the role that crossing these genres plays in this literature.

Contextualize the nexus that emerges between sexualities, disabilities, class, genders, blood quantum laws/practices within the broader North American cultures.

Articulate the transforming circumstances, definitions, and debates that surround the construction of varied Native American identities and nations as informed by the scholarly discourse, and external influences such as colonial narratives/depictions, the media, and state/government decrees and practices (i.e., federal recognition of tribes in the U.S., anti-miscegenation laws, etc.). Develop a critical eye toward Native American literature as depicted by non-Native Americans.

Participate in one or more of the following: engagement in service learning and collaborations with neighboring native communities (i.e., Muckleshoot, Puyallup, Snoqualmie, Nisqually) and more broadly throughout Pacific Northwest, mythic archetypes/narratives (i.e., the trickster, hero quests, creation stories), religious beliefs (i.e., role of ceremonial practice in healing and identity formation, the Ghost Dance), adaptation of the oral tradition (i.e., reflected in contemporary poetry), the built and natural environments, language and orally, stereotyping and prejudice, folktales and the role of the storyteller and the oral tradition, the sacred and secular, assimilation and appropriation, political and social activism, the Native American Renaissance, among others.

Incorporate close reading, critical analysis, and writing projects as tools for synthesizing Native American literature and discourse.

Cultivate an awareness and appreciation of the complex interplay between social and political forces, the traditions and customs of particular Native American nations, and the imaginations of individual writers.

Successfully complete written responses to the assigned literature and readings.

Participate effectively, demonstrating critical reflection.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 251 - Asian American Literatures

Credits: 5

A study of selected literature and other cultural productions by Asian American writers from various countries and immigration histories, including China, Japan, India, Korea, the Philippines, and Vietnam, among others. Examining genres such as poetry, fiction, drama, spoken word, and memoir, contextualized alongside film, music, and other forms of popular culture, students will address issues such as identity, race, gender, sexuality, class/income, exclusion, resistance, cultural preservation, religion, generation, language, assimilation, disability, multi-racialism, and activism. Students will read individual texts closely, explore various literary critical and comparative approaches, situate texts in their historical and cultural contexts, and produce their own written interpretations.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze various literary genres within Asian American literature, including fiction, drama, poetry, spoken word, and memoir, along with related literary criticism.
- Perform close reading and critical thinking in relation to texts and contexts.
- Produce written responses to the literature, employing literary critical frameworks.

Identify the role of stereotypes, especially gendered ones, and the ways in which Asian Americans have responded through literature, popular culture, and activism.

Recognize the wide diversity within Asian America, including countries of origin, immigration histories (economic migrants, refugees, undocumented, students, etc.), income and educational levels, among other crucial intersections of gender, sexuality, language, age/generation, religion, disability, multiracialism, etc., as these inform the literature.

Investigate the historical, cultural and political contexts within which literary works emerge and function, including various immigration acts, Japanese internment during WWII, the Korean and Vietnamese wars, the growth of Asian immigration after 1965, and the rise of China and India as global economic powers.

Discuss the rise of "Asian American" as a category and the various literatures and experiences it denotes, including relationships between and within Asian American communities. the experiences of other communities of color, the traditional American canon, and dominant culture.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 252 - Muslim American Literature

Credits: 5

A study of Muslim American literature, including poetry, fiction, drama, spoken word, and/or memoir. Recognizing the diversity within Muslim America, students will interpret literary works in relation to culture, race, gender, sexuality, class/income, disability, immigration history, and/or language. Students will situate literary works in their historical, cultural, and political contexts, including Islamic and Arabic literature, U.S. slavery, European colonialism, Black Muslims, 9/11, Islamophobia, Islam and feminism, and/or the Israel-Palestine conflict.

Enrollment Requirement: Eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Engage in close reading, critical thinking, discussion, and writing in response to various genres within Muslim American literature, including fiction, drama, poetry, spoken word, and/or memoir, along with related literary criticism.

Recognize the wide diversity within Muslim America, including culture, race, gender, sexuality, class/income, disability, immigration history, and/or language, as these inform the literature, including how Muslim Americans have responded to oppression through literature, popular culture, and/or activism.

Investigate the historical, cultural, and political contexts within which literary works emerge and function, including Islamic and Arabic literature, U.S. slavery, European colonialism, Black Muslims, 9/11, Islamophobia, Islam and feminism, and/or the Israel-Palestine conflict.

Situate Muslim American literature in relation to US history, the traditional American literary canon, and/or the (ethnic) literatures of other communities of color.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 255 - World Literature II: 7th to 18th Century

Credits: 5

An historical and critical survey of selected works of world literature of the seventh through the 18th centuries from a diversity of cultures.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss the common elements in literature of the Middle Ages and the Renaissance to achieve an understanding of those elements.

Discuss the characteristics of the Medieval and Renaissance eras as they are found in the literature of these periods.

Develop critical thinking and reading skills by analyzing, interpreting, and evaluating in response to works of a specific literary period.

Apply critical thinking and reading skills to the study of the literary works of the Medieval and Renaissance eras.

Discuss the importance and relevance of the literature of the Medieval and Renaissance eras to the modern and the contemporary world (especially as the literature relates to the psychological and spiritual needs of peoples of the world today).

Write responses to literature.

Demonstrate critical reflection in participation.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL& 256 - World Literature III: 19th to 21st Century

Credits: 5

A critical and comparative survey of European and non-western world literature that reflects the various forces and social transformations relating to colonialism, nationalism, postcolonialism, im/migration, globalization, and economic systems from a spectrum of cultures.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

Compare the importance between the various genres of world literature, such as the novel, short story, drama, poetry, and/or memoir, along with related literary criticism.

Investigate and comprehend the historical, cultural, and political contexts within which works of world literature emerge and function.

Develop a comparative understanding of evolving definitions, functions, and struggles around identity, community, culture, nationalism, transnationalism, sense of place, power relations, globalization (among others) from various dominant and marginalized groups as expressed in the literature.

Write projects/essays that respond to the literature.

Engage in close reading, interpretation, critical analysis, and class discussions as tools for understanding, evaluating, and comparing world literature and discourses from various periods.

Evaluate how different world cultures transform, and are transformed by, key global forces through examining works of world literature.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ENGL 264 - Shakespeare on Film

Credits: 5

Analyze several of Shakespeare's plays and how they are adapted and portrayed on film. Study the original text (complete plays and/or excerpts) and one or more film adaptations of those plays, interpret and analyze themes and cultural parallels and modern relevancy. Apply film terms, literary analysis, and cultural analysis (including class, race, and gender issues).

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss Shakespeare's themes and messages, the historical and cultural contexts of the plays, and literary techniques within the plays (themes, characterization, poetic language, symbolism, for example).

Evaluate the film adaptations of certain plays including analysis of the directors' choices within those subjective adaptations of the original plays such as close or loose adaptations, changes made, comparisons of the same scene by different directors, settings, character depictions and casting, timeline and choices to change the time in history for which a play is set. historical context and social issues from Shakespeare's time translated to modern times, and other choices that affect the differences among adaptations of the same plays.

Apply various forms of literary criticism approaches to their analyses of the plays and films. (For example, feminist criticism, social and historical criticism, racial and cultural bias criticism, Marxist criticism, post-modern criticism, psychological criticism, and film methodology criticism including application of specific film terms and analysis and critique of decisions by the directors, etc.)

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENGL 335 - Advanced Technical Writing

Credits: 5

Prepare students to communicate effectively in a professional environment. Students become familiar with the processes, forms, and styles of technical writing as they create various documents, including instructions, proposals, and discipline-specific and/or client-based research projects. Emphasizes the purpose and audience, as well as clarity, concision, and document design.

Enrollment Requirement: Admission into a bachelor's degree program; and ENGL& 101 with a grade of 2.0 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Develop a sense of how purposes, audiences, situations, technologies, and methods affect writers' and users' perceptions of written and digital communication.

Implement and demonstrate theories of document design (e.g. format, layout, graphics) in course projects.

Exhibit the recursive nature of writing and design process in terms of researching, drafting, reviewing/testing, editing, and revising.

Develop strategies synchronous and asynchronous communication with peers, instructors, users, and/or clients that foster mutual respect and responsibility, including different varieties of testing and assessing written and digital communications.

Implement and evaluate a range of research methods and information resources to develop and produce ethically responsible professional documents.

Create effective arguments in professional documents using discursive and visual information.

Demonstrate awareness of how various media genres and technologies affect and are affected by users and readers and, thus, are integral to the communication and design process.

Use and adapt various technologies to produce attractive, persuasive, professional documents and distribute them electronically to fulfill the purpose and need of various audiences and purposes.

Program Outcomes

Produce effective written communication, which demonstrates critical thinking; writing and research processes; and knowledge of genres for workplace, expository, or research writing.

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approach's writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

English Language Learning

\$25 tuition will be charged for any combination of ELL classes each quarter.

ELL 1 - ELL Community-Based Level 1

Credits: 1-12

Beginning level community-based English class for ELL students. Students study reading, writing, speaking and listening. This is a pass/no credit course.

Enrollment Requirement: ELL 8, 9; placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Read and comprehend learned words in a few simple phrases and basic personal information slowly and with some effort but with few errors, to independently accomplish simple, well defined, and structured reading activities in a few comfortable and familiar settings.

Write individual words, simple phrases and a few very simple sentences slowly and with some effort and some errors. They can independently accomplish simple, well defined, and highly structured writing activities in a few comfortable and familiar settings.

Speak learned and rehearsed words and phrases with hesitation and some inaccuracy in a familiar setting with a familiar audience (usually face-to-face with one person). A high level of support is provided (in the form of written, visual, or verbal prompts). Pronunciation may be inaccurate or nonstandard and speech may, at times, be difficult to understand even by a skilled, supportive listener.

Comprehend the gist of short, simple conversations and explanations on familiar, learned topics in face-to-face situations when tasks are highly structured and include supports, such as visual cues, pre-learning of new vocabulary and phrases, or collaborative listening. Text is considerably adjusted for listeners who require a slower rate of speech with frequent opportunities for repetition or rephrasing. For English language learners, level of ease and confidence in using English may be low, even in familiar contexts.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 2 - ELL Community-Based Level 2

Credits: 1-12

High-beginning level community-based English class for ELL students. Students study reading, writing, speaking and listening. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Read and comprehend words in simple sentences, slowly with some repetition and with few errors, to independently accomplish simple, well-defined and structured reading activities in a range of comfortable and familiar settings.

Write simple sentences on familiar topics with some effort and errors to independently accomplish simple, well defined, and structured writing activities in a few comfortable and familiar settings.

Sometimes speak learned and rehearsed words, phrases, and simple sentences fluently and accurately but other times speak with hesitation and inaccuracy in a familiar setting with a familiar audience (usually face-to-face with one person). A high level of support is provided (in the form of written, visual, or verbal prompts). Pronunciation may be inaccurate or nonstandard and speech may, at times, be difficult to understand even by a skilled, supportive listener.

Comprehend the gist of simple conversations and explanations on familiar topics in face-to-face situations when tasks are highly structured and include supports, such as visual cues, pre-learning of new vocabulary and phrases, or collaborative listening. Text is considerably adjusted for listeners who usually require a slower rate of speech with frequent opportunities for repetition or rephrasing. For English language learners, level of ease and confidence in using English may be low, even in familiar contexts.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect , modals, gerunds, infinitives, questions and negative statements , pronouns and prepositions , active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 3 - ELL Community-Based Level 3

Credits: 1-12

Low Intermediate level community-based English class for ELL students. Students study reading, writing, speaking and listening. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21 or 28; and placement test; and instructor

consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Read and comprehend words in small blocks of simple text, slowly but easily and with few errors, to independently accomplish simple, well-defined and structured reading activities in a range of comfortable and familiar settings.

Write several simple sentences on familiar topics with some effort and errors to independently accomplish simple, well defined, and structured writing activities in a few comfortable and familiar settings.

Speak mostly short utterances (sometimes inaccurate, incomplete sentences and sometimes fluent and accurate sentences that may be expansions of learned materials and stock phrases) in familiar settings with a familiar audience (usually face-to-face with one person) when provided with a high level of support (in the form of written, visual, or verbal prompts). Pronunciation may be inaccurate or non-standard and speech may be difficult to understand even by a skilled, supportive listener.

Listen for structured and well-defined purposes related to maintaining personal conversations, acquiring information, or completing basic transactions, either face-to-face or in a brief telephone conversation when language is somewhat simplified and frequent opportunities for repetition, rewording and clarification are provided. For English language learners, level of ease using English is growing but varies depending on the level of familiarity with the audience and purpose and the stressfulness of the context.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect , modals, gerunds, infinitives, questions and negative statements , pronouns and prepositions , active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 6 - English Language Learning Intro to Literacy

Credits: 1-15

Introduction to literacy level English class for ELL students. Students study print awareness, reading, writing, speaking and listening.

Enrollment Requirement: Placement test and instructor's permission.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

1. Recognize and reproduce
 - letter names and sounds
 - short vowel sounds
2. Demonstrate ability to sound out short vowel words, reading from left to right within a word.
3. Identify the order of phonemes (e.g., initial and final) with words with a simple syllabic structure.
4. Identify and sort rhyming words with short vowel patterns.
5. Recognize beginnings and endings of sentences.
6. Distinguish the main features of letters (e.g., tail in p or dot in i), use spaces to visually mark the different words, and use them in copying and writing.
7. Write lowercase letters.
8. Write numerals 1-10.
9. Start to write high frequency single syllable words and their name.
10. Write left to right on a line.
11. Participate in guided discussions with diverse partners with instructor support.
12. Speak learned and rehearsed words and phrases with hesitation and some inaccuracy, using a high level of support.
13. Communicate some basic needs to instructor and other students in English.
14. Comprehend the gist of short, simple conversations with highly structured supports.
15. Start to use the digital tools in Canvas to complete online classwork.

The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National

Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect ,

modals, gerunds, infinitives, questions and negative statements , pronouns and

prepositions , active and passive voice

compound and complex sentences.

College-wide Outcomes

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 7 - ELL Reading Support for Literacy Level

Credits: 1-10

This is a reading class for literacy level ELL students. Students will learn basic reading skills including letter sound recognition, basic vocabulary, fluency and comprehension.

Enrollment Requirement: Placement test and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Improve phonemic awareness and decoding skills.

- Build basic vocabulary.

- Read and comprehend learned words in a few simple phrases and basic personal information slowly and with some effort and some errors to independently accomplish simple, well defined, and structured reading activities in a few comfortable and familiar settings.

- Identify the main topic and retell key details of a text.

- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

- Use the illustrations and details in a text to describe its key ideas.

The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in reading.

Program Outcomes

We are using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice, compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 8 - ELL Community-Based Literacy Level

Credits: 1-12

Literacy level community-based English class for ELL students. Students study reading, writing, speaking and listening. This is a pass/no credit course.

Enrollment Requirement: Placement test and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Read and comprehend learned words in a few simple phrases and basic personal information slowly and with some effort but with few errors, to independently accomplish simple, well defined, and structured reading activities in a few comfortable and familiar settings.

Write individual words, simple phrases and a few very simple sentences slowly and with some effort and some errors. They can independently accomplish simple, well defined, and highly structured writing activities in a few comfortable and familiar settings.

Speak learned and rehearsed words and phrases with hesitation and some inaccuracy in a familiar setting with a familiar audience (usually face-to-face with one person). A high level of support is provided (in the form of written, visual, or verbal prompts). Pronunciation may be inaccurate or nonstandard and speech may, at times, be difficult to understand even by a skilled, supportive listener.

Comprehend the gist of short, simple conversations and explanations on familiar, learned topics in face-to-face situations when tasks are highly structured and include supports, such as visual cues, pre-learning of new vocabulary and phrases, or collaborative listening. Text is considerably adjusted for listeners who require a slower rate of speech with frequent opportunities for repetition or rephrasing. For English language learners, level of ease and confidence in using English may be low, even in familiar contexts.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect , modals, gerunds, infinitives, questions and negative statements , pronouns and prepositions , active and passive voice compound and complex sentences

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 9 - ELL Literacy Level

Credits: 1-15

Literacy level English class for ELL students. Students study reading, writing, speaking and listening. This is a pass/no credit course.

Enrollment Requirement: Placement test and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Read and comprehend learned words in a few simple phrases and basic personal information slowly and with some effort but with few errors, to independently accomplish simple, well defined, and structured reading activities in a few comfortable and familiar settings.

Write individual words, simple phrases and a few very simple sentences slowly and with some effort and some errors. They can independently accomplish simple, well defined, and highly structured writing activities in a few comfortable and familiar settings.

Speak learned and rehearsed words and phrases with hesitation and some inaccuracy in a familiar setting with a familiar audience (usually face-to-face with one person). A high level of support is provided (in the form of written, visual, or verbal prompts). Pronunciation may be inaccurate or nonstandard and speech may, at times, be difficult to understand even by a skilled, supportive listener.

Comprehend the gist of short, simple conversations and explanations on familiar, learned topics in face-to-face situations when tasks are highly structured and include supports, such as visual cues, pre-learning of new vocabulary and phrases, or collaborative listening. Text is considerably adjusted for listeners who require a slower rate of speech with frequent opportunities for repetition or rephrasing. For English language learners, level of ease and confidence in using English may be low, even in familiar contexts.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect , modals, gerunds, infinitives, questions and negative statements , pronouns and prepositions , active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 10 - English Language Learning Level 1

Credits: 1-15

Beginning level of ELL. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills and technology skills. This is a pass/no credit course.

Enrollment Requirement: ELL 8 or 9; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Ask and answer questions about key details in a text. Identify the main topic and retell key details of a text. Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

Know and use various text features to locate key facts or information in a text. Use the illustrations and details in a text to describe its key ideas.

Write informative/explanatory texts in which they name a topic, supply some facts about the topic.

With guidance and support, use a variety of digital tools to produce and publish writing.

Participate in collaborative conversations with diverse partners in small and larger groups.

Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).

Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Describe people, places, things, and events with some details.

Speak audibly and try to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized
Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 16 - ELL Summer Institute Conversation Level 1

Credits: 1-5

Provides beginning ELL students with conversation and pronunciation language practice. This is a pass/no credit course.

Enrollment Requirement: Placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Begin to participate in collaborative conversations with diverse partners in small and larger groups.

- Begin to follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics under discussion.)

- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

- Describe people, places, things, and events with some relevant details, start to express ideas and feelings clearly.

- Speak audibly and start to express thoughts, feelings, and ideas clearly.

- Produce complete sentences when appropriate to task and situation.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking and listening.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

- Be familiar with affixes and roots

- Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect ,

modals, gerunds, infinitives, questions and negative statements , pronouns and

prepositions , active and passive voice

compound and complex sentences

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 17 - ELL Technology Support Level 1

Credits: 1-5

Provides ELL 1, 8, 9, 10 students with opportunities to learn, improve, and use English through technology. Students will discover new ways to enhance their language-learning skills, which will add to their overall success in other ELL classes and beyond. This is a pass/no credit course.

Enrollment Requirement: Placement test and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Accomplish and/or collaborate to complete English language-learning activities and project-based assignments through technology with additional support from instructor and peers.

Know the major parts of a computer and express an understanding of their basic functions.

Use keys and functions common to most programs, such as save, open, delete, and close.

Use the Internet, Canvas, email, and programs such as Microsoft Word and PowerPoint.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 20 - English Language Learning Level 2

Credits: 1-15

High-beginning level of ELL. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills plus information literacy, tech skills, and project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in collaborative conversations with diverse partners in small and larger groups.
- Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).
- Build on others' talk in conversations by responding to the comments of others through multiple exchanges.
- Ask questions to clear up any confusion about the topics and texts under discussion.

Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation.

Ask and answer questions about key details in a text.

Identify the main topic and retell key details of a text.

Describe the connection between two individuals, events, ideas, or pieces of information in a text.

Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

Know and use various text features to locate key facts or information in a text.

Use the illustrations and details in a text to describe its key ideas.

Identify the reasons an author gives to support points in a text.

Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.

Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.

With guidance and support focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.

With guidance and support, use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Participate in shared research and writing projects. With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice, compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 21 - English Language Learning Intensive Writing L2

Credits: 1-15

High-beginning level of ELL for students who are permanent residents of Washington state. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills with an emphasis on reading and writing. Students will also work on information literacy skills, tech skills and project-based learning. This is a pass/no credit course.

Enrollment Requirement: Placement test and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in collaborative conversations with diverse partners in small and larger groups.
- Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).
- Build on others' talk in conversations by responding to the comments of others through multiple exchanges.
- Ask questions to clear up any confusion about the topics and texts under discussion.
- Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.
- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.
- Speak audibly and start to express thoughts, feelings, and ideas clearly.
- Produce complete sentences when appropriate to task and situation.
- Ask and answer questions about key details in a text.
- Identify the main topic and retell key details of a text.
- Describe the connection between two individuals, events, ideas, or pieces of information in a text.
- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- Know and use various text features to locate key facts or information in a text.
- Use the illustrations and details in a text to describe its key ideas.
- Identify the reasons an author gives to support points in a text.
- Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.

Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.

With guidance and support focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.

With guidance and support, use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Participate in shared research and writing projects. With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 22 - ELL Summer Institute Conversation Level 2

Credits: 5

Provides high-beginning ELL students with conversation and pronunciation language practice. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Begin to participate in collaborative conversations with diverse partners in small and larger groups.
- Begin to follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).
- Try to build on others' talk in conversations by responding to the comments of others through multiple exchanges.
- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.

Speak audibly and start to express thoughts, feelings, and ideas clearly.
Produce complete sentences when appropriate to task and situation.
Begin to recognize and improve pronunciation of English phonemes, stress, rhythm, intonation and reductions.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect ,

modals, gerunds, infinitives, questions and negative statements , pronouns and prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 23 - ELL Summer Institute Writing Level 2

Credits: 5

High-beginning ELL students who want to focus on their fluency and accuracy in writing through project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Begin to write with increased fluency.
- Use feedback to rewrite.
- Edit your own writing with instructor and peer support.
- Use correct spelling and punctuation.
- Control verb tenses, subject-verb agreement, word order, pronouns.
- Use details.
- Understand the function of an introduction, a conclusion, and an organizing principle in your paragraph.
- Have a positive attitude toward writing and increased confidence in your writing.
- Be a self-motivated, independent learner.
- Use writing as a tool for critical thinking.
- Use written English to explore what you have to say.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 24 - ELL Conversation Support Level 2

Credits: 1-5

Provides high-beginning ELL students with language practice opportunities. Students become active participants in conversations and improve their ability to manage conversations. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Begin to participate in collaborative conversations with diverse partners in small and larger groups.

Begin to follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).

Try to build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style

are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 26 - ELL Writing Support Level 2

Credits: 1-5

For current students in ELL 2, 20, 21, 28 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

- a. Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.
- b. Develop the topic with facts, definitions, and details.
- c. Use linking words and phrases (e.g., also, another, and, more, but) to connect ideas within categories of information.
- d. Provide a concluding statement or section.
- c. Use linking words and phrases (e.g., because, therefore, since, for example) to connect opinion and reasons.
- d. Provide a concluding statement or section.

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

- a. Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.
- b. Develop the topic with facts, definitions, and details.
- c. Use linking words and phrases (e.g., also, another, and, more, but) to connect ideas within categories of information.
- d. Provide a concluding statement or section.

Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.

With guidance and support focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.

With guidance and support, use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Participate in shared research and writing projects (e.g., explore a number of "how-to" books on a given topic and use them to write a sequence of instructions).

With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect, modals,

gerunds, infinitives, questions and negative statements, pronouns and prepositions,

active and passive voice

compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 27 - ELL Technology Support Level 2

Credits: 1-5

Provides ELL 2, 20, 21 and 28 students with opportunities to learn, improve, and use English through technology. Students will discover new ways to enhance their language-learning skills, which will add to their overall success in other ELL classes and beyond. This is a pass/no credit course.

Enrollment Requirement: ELL 1, 8, 9 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Independently accomplish and/or collaborate to complete English language-learning activities and project-based assignments through technology.

- Know the major parts of a computer and express an understanding of their basic functions.

- Use keys and functions common to most programs, such as save, open, delete, and close.

- Use the Internet, Canvas, email, and programs such as Microsoft Word and PowerPoint.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect , modals, gerunds, infinitives, questions and negative statements , pronouns and prepositions , active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 28 - English Language Learning Pathways to Work L2

Credits: 1-15

Provides an introduction for students interested in entering the workforce or participating

in an I-BEST. Gives students the necessary information to research a career or choose an I-BEST program. Teaches the students study skills, employability skills, and improves reading, writing, listening, and speaking skills. This is a pass/no credit course.

Enrollment Requirement: ELL 1, 10; placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading: Students will ask and answer questions about key details in a text related to employment as well as identify the main topic and retell those key details. With a lot of support, they will describe the connection between two events, ideas, or pieces of information in a text. They will ask and answer questions to help determine or clarify the meaning of words and phrases in a text. They will use various text features, illustrations and details to locate and describe key facts or information in a text.

Writing: Students, with a lot of support and scaffolding, will write informative/explanatory texts in which they name a topic related to employment, supply some facts about the topic, and provide some sense of closure. They will also write short narratives in which they include some details about their work history, education and future goals, and they will use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Speaking and Listening: Students will ask and answer questions in order to seek help, get information, or clarify something that is not understood. They will describe people, places, things, and events related to employment with relevant details, expressing ideas and feelings clearly. They will speak audibly and express thoughts, feelings, and ideas with increasing clarity. Students will follow oral directions and ask for clarification.

Employability skills: Students will use self-awareness and workplace skills to make decisions, work in teams, problem solve and present information.

Technology and Math Skills: Students will begin to use Microsoft Word and PowerPoint to compose and edit a document and create a presentation with a lot of assistance. Students will learn how to use the internet to research a topic. Students will learn the meaning of math symbols and use addition, subtraction, multiplication, division, and measurement.

Program Outcomes

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized

- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives
- Introduce and develop a topic
- Create cohesion and clarify relationships between ideas
- Revise, edit, rewrite
- Do short research project drawing on several cited sources

In Speaking & Listening

- Actively participate in conversations
- Analyze arguments
- Build on the ideas of others
- Express opinions clearly and persuasively
- Work in groups to discuss, pose, and answer questions
- Contribute relevant comments and observations
- Evaluate soundness of speakers' reasoning and sufficiency of evidence
- Adapt speech to formal/informal circumstances
- Give clear, effective presentations integrating multi-media

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 29 - ELL Summer Institute Cmty Exploration Level 2

Credits: 2

This is a multi-level class offered every summer quarter. Students will explore and become familiar with their community through field trips, volunteer experiences, and other hands-on project-based learning. Students will use and strengthen their communicative language skills through authentic English immersion. Students will have

the opportunity to explore the campus at large and off-campus sites. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in collaborative conversations with diverse partners in small and larger groups.
- Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).
- Build on others' talk in conversations by responding to the comments of others through multiple exchanges.
- Ask questions to clear up any confusion about the topics under discussion.
- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.
- Speak audibly and start to express thoughts, feelings, and ideas clearly.
- Participate in a shared project. With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives

Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening
Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 30 - English Language Learning Level 3

Credits: 1-15

Low-intermediate level of ELL. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills plus information literacy, tech skills, and project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21 or 28; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Ask and answer questions about key details in a text.
Identify the main topic and retell key details of a text.

Describe the connection between two individuals, events, ideas, or pieces of information in a text.

Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

Know and use various text features to locate key facts or information in a text.

Use the illustrations and details in a text to describe its key ideas.

Identify the reasons an author gives to support points in a text.

Identify basic similarities in and differences between two texts on the same topic.

Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.

Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.

With guidance and support focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.

With guidance and support, use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Participate in shared research and writing projects.

With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

Participate in collaborative conversations with diverse partners in small and larger groups.

Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion, and gaining the floor in respectful ways).

Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Ask questions to check understanding of information presented and stay on topic.

Explain their own ideas and understanding in light of the discussion.

Describe people, places, things, and events with relevant details.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice

compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 31 - English Language Learning Intensive Writing L3

Credits: 1-15

Low-intermediate level of ELL for students who are permanent residents of Washington state. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills with an emphasis on reading and writing. Students will also work on information literacy, tech skills, and project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 20, 21, 22 or 28; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer questions about key details in a text.
- Identify the main topic and retell key details of a text.
- Describe the connection between two individuals, events, ideas, or pieces of information in a text.
- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- Know and use various text features to locate key facts or information in a text.
- Use the illustrations and details in a text to describe its key ideas.
- Identify the reasons an author gives to support points in a text.
- Identify basic similarities in and differences between two texts on the same topic.
- Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.
- Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.
- With guidance and support focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.
- With guidance and support, use a variety of digital tools to produce and publish writing, including in collaboration with peers.
- Participate in shared research and writing projects.
- With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

Participate in collaborative conversations with diverse partners in small and larger groups.

Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion, and gaining the floor in respectful ways).

Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Ask questions to check understanding of information presented and stay on topic.

Explain their own ideas and understanding in light of the discussion.

Describe people, places, things, and events with relevant details.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 32 - ELL Summer Institute Conversation Level 3

Credits: 5

Provides low-intermediate ELL students with conversation and pronunciation practice. This is a pass/no credit course.

Enrollment Requirement: ELL 20, 21, 22 or 28; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).

Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation.

Recognize and improve pronunciation of English phonemes, stress, rhythm, intonation and reductions.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 33 - ELL Summer Institute Writing Level 3

Credits: 5

Low-intermediate ELL students who want to focus on their fluency and accuracy in writing through project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21, 22 or 28; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
- Produce writing in which the development and organization are appropriate to task and purpose.
- With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.
- With guidance and support, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.
- With guidance and support, recall information from experiences or gather information from provided sources to answer a question.
- Participate in shared research and writing projects.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized
Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 34 - ELL Conversation Support Level 3

Credits: 1-5

Provides low-intermediate ELL students with language practice opportunities to share ideas, opinions and experiences. Students become active participants in conversations and improve their ability to manage conversations. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21 or 28; placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in collaborative conversations with diverse partners in small and larger groups.

- Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).

- Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

- Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.

- Speak audibly and start to express thoughts, feelings, and ideas clearly.

- Produce complete sentences when appropriate to task and situation.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

- Be familiar with affixes and roots

- Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 36 - ELL Writing Support Level 3

Credits: 1-5

For current students in ELL 3, 30, 31 or 38 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. This is a pass/no credit course.

Enrollment Requirement: ELL 20, 21 or 28; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Write opinion pieces on topics or texts, supporting a point of view with reasons and information.

- a. Introduce a topic or text clearly, state an opinion, and create an organizational structure in which ideas are logically grouped to support the writer's purpose.
- b. Provide logically ordered reasons that are supported by facts and details.
- c. Link opinion and reasons using words, phrases, and clauses (e.g., consequently, specifically).
- d. Provide a concluding statement or section related to the opinion presented.

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

- a. Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.
- b. Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.
- c. Link ideas within categories of information using words and phrases (e.g., another, for example, also, because).
- d. Use precise language and domain-specific vocabulary to inform about or explain the topic.
- e. Provide a concluding statement or section related to the information or explanation presented.

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

(Editing for conventions should demonstrate command of Language standards 1-3 at this level.)

With some guidance and support, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.

Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.

Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.

Draw evidence from literary or informational texts to support analysis, reflection, and research.

- a. Apply Reading standards from this level to literature (e.g., "Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text").
- b. Apply Reading standards from this level to informational text (e.g., "Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point(s)")

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 37 - ELL Technology Support Level 3

Credits: 1-5

Provides ELL 3, 30, 38 students with opportunities to learn, improve, and use English through technology. Students will discover new ways to enhance their language-learning skills, which will add to their overall success in other ELL classes and beyond. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21 or 28; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Independently accomplish and/or collaborate to complete English language-learning activities and project-based assignments through technology.

Know the major parts of a computer and express an understanding of their basic functions.

Use keys and functions common to most programs, such as save, open, delete, and close.

Use the Internet, Canvas, email, and programs such as Microsoft Word and PowerPoint.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 38 - English Language Learning Pathways to Work L3

Credits: 1-15

Provides an introduction for students interested in entering the workforce or participating in an I-BEST. Gives students the necessary information to research a career or choose an I-BEST program. Teaches the students study skills, employability skills, and improves reading, writing, listening, and speaking skills. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21, 22, 28; placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading: Students will ask and answer questions about key details in a text related to workplace as well as identify the main topic and retell those key details. With a lot of support, they will describe the connection between two events, ideas, or pieces of information in a text. They will ask and answer questions to help determine or clarify the meaning of words and phrases in a text. They will use various text features, illustrations and details to locate and describe key facts or information in a text.

Writing: Students, with a lot of support and scaffolding, will write informative/explanatory texts in which they name a topic related to workplace, supply some facts about the topic, and provide some sense of closure. They will also write short narratives in which they include some details about their work

history, education and future goals, and they will use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Speaking and Listening: Students will ask and answer questions in order to seek help, get information, or clarify something that is not understood. They will describe people, places, things, and events related to workplace with relevant details, expressing ideas and feelings clearly. They will speak audibly and express thoughts, feelings, and ideas with increasing clarity. Students will follow oral directions and ask for clarification.

Employability skills: Students will use self-awareness and workplace skills to make decisions, work in teams, problem solve and present information.

Technology and Math Skills: Students will use Microsoft Word and PowerPoint to compose and edit a document and create a presentation with some assistance. Students will learn how to use the internet to research a topic. Students will learn the meaning of math symbols and use addition, subtraction, multiplication, division, and measurement.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 39 - ELL Summer Institute Cmty Exploration Level 3

Credits: 2

This is a multi-level class offered every summer quarter. Students will explore and become familiar with their community through field trips, volunteer experiences, and other hands-on project-based learning. Students will use and strengthen their communicative language skills through authentic English immersion. Students will have the opportunity to explore the campus at large and off-campus sites. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21, 22 or 28; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Participate in a shared project.

With guidance and support, recall information from experiences or gather information from provided sources to answer a question.

Participate in collaborative conversations with diverse partners in small and larger groups.

Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion, and gaining the floor in respectful ways).

Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Ask questions to check understanding of information presented and stay on topic.

Explain their own ideas and understanding in light of the discussion.

Describe people, places, things, and events with relevant details.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 40 - English Language Learning Level 4

Credits: 1-15

Intermediate level of ELL. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills plus information literacy, tech skills, and project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
- Determine the main idea of a text; recount the key details and explain how they support the main idea.
- Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.
- Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a topic or subject area.

Know and use various text features to locate key facts or information in a text efficiently.

Use text features and search tools to locate information relevant to a given topic efficiently.

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Distinguish their own point of view from that of the author of a text.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Describe how reasons support specific points the author makes in a text.

Write opinion pieces on topics or texts, supporting a point of view with reasons.

- a. Introduce the topic or text they are writing about, state an opinion, and create an organizational structure that lists reasons.
- b. Provide reasons that support the opinion.
- c. Use linking words and phrases to connect opinion and reasons.
- d. Provide a concluding statement or section.

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

- a. Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.
- b. Develop the topic with facts, definitions, and details.
- c. Use linking words and phrases to connect ideas within categories of information.
- d. Provide a concluding statement or section.

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

Produce writing in which the development and organization are appropriate to task and purpose.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

With guidance and support, use technology to produce and publish writing as well as to interact and collaborate with others.

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Know the differences between formal and informal speech.

Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.

Enhance your active listening skills.

Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals,

gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 41 - English Language Learning Intensive Writing L4

Credits: 1-15

Intermediate level of ELL for students who are permanent residents of Washington state. This class is intended for students who have much stronger speaking/listening skills than reading/writing skills for their level. It is for students who want to improve their writing skills. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
- Determine the main idea of a text; recount the key details and explain how they support the main idea.
- Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.
- Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a topic or subject area.
- Know and use various text features to locate key facts or information in a text efficiently.
- Use text features and search tools to locate information relevant to a given topic efficiently.
- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Distinguish their own point of view from that of the author of a text.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Explain how specific aspects of a text's illustrations contribute to what is conveyed by the words in a story.

Describe how reasons support specific points the author makes in a text.

Compare and contrast the most important points and key details presented in two texts on the same topic.

Write opinion pieces on topics or texts, supporting a point of view with reasons.

- a. Introduce the topic or text they are writing about, state an opinion, and create an organizational structure that lists reasons.
- b. Provide reasons that support the opinion.
- c. Use linking words and phrases to connect opinion and reasons.
- d. Provide a concluding statement or section.

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

- a. Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.
- b. Develop the topic with facts, definitions, and details.
- c. Use linking words and phrases to connect ideas within categories of information.
- d. Provide a concluding statement or section.

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

Produce writing in which the development and organization are appropriate to task and purpose.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

With guidance and support, use technology to produce and publish writing as well as to interact and collaborate with others.

Conduct short research projects that build knowledge about a topic.

Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect, modals,

gerunds, infinitives, questions and negative statements, pronouns and prepositions,

active and passive voice

compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 42 - ELL Summer Institute Conversation Level 4

Credits: 5

Provides intermediate ELL students with conversation and pronunciation language practice. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
- Know the differences between formal and informal speech.
- Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.
- Enhance your active listening skills.
- Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 43 - ELL Summer Institute Writing Level 4

Credits: 5

Intermediate ELL students who want to focus on their fluency and accuracy in writing through project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write with increased fluency.
- Use feedback to rewrite.
- Edit your own writing.
- Use correct spelling and punctuation.
- Control verb tenses, subject-verb agreement, word order, pronouns.
- Use details.
- Understand the function of an introduction, a conclusion, and an organizing principle in your writing of a narrative essay.
- Have a positive attitude toward writing and increased confidence in your writing.
- Be a self-motivated, independent learner.
- Use writing as a tool for critical thinking.
- Use written English to explore what you have to say.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives
- Introduce and develop a topic
- Create cohesion and clarify relationships between ideas
- Revise, edit, rewrite
- Do short research project drawing on several cited sources

In Speaking & Listening

- Actively participate in conversations

Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 44 - ELL Conversation Support Level 4

Credits: 1-10

Provides additional support for current students in ELL 40 and 48 who need to improve their conversational skills. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
Know the differences between formal and informal speech.
Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.
Enhance your active listening skills.
Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward

speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 45 - ELL Pronunciation Support Level 4

Credits: 1-5

Provides additional support for current students in ELL 40 who need to improve their pronunciation skills. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize and improve articulation of English segmentals (vowels and consonants).

Recognize and improve production of English suprasegmentals (stress, rhythm, intonation, reductions) at the word, phrase and sentence level.

Identify and self-monitor key points of interference between students' first language and American English.

Effectively use online resources and phonemic alphabets to verify correct pronunciation.

Become aware of differences between spelling and pronunciation in American English.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National

Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 46 - ELL Writing Support Level 4

Credits: 1-5

For current students in ELL 40 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31, 38; placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write with increased fluency.
- Use feedback to rewrite.
- Edit their own writing.
- Use correct spelling and punctuation.
- Control verb tenses, subject-verb agreement, word order, pronouns.
- Use details.
- Understand the function of an introduction, a conclusion, an organizing principle in their writing of a narrative essay.
- Have a positive attitude toward writing and increased confidence in their writing.
- Be self-motivated, independent learners.
- Use writing as a tool for critical thinking.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments

Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 47 - ELL Technology Support Level 4

Credits: 1-5

Provides ELL 40, 41 and 48 students with opportunities to learn, improve, and use

English through technology. Students will discover new ways to enhance their language-learning skills, which will add to their overall success in other ELL classes and beyond. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Independently accomplish and/or collaborate to complete English language-learning activities and project-based assignments through technology.

- Know the major parts of a computer and express an understanding of their basic functions.

- Use technology vocabulary appropriately and effectively.

- Use keys and functions common to most programs, such as save, open, delete, and close.

- Gain access and learn how to use resources, such as spell check, thesaurus, and dictionaries.

- Increase ability in using a variety of other forms of technology, such as a digital camera, scanner, etc.

- Use the Internet, Canvas, online databases, email, and programs such as Microsoft Word and PowerPoint.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

- Be familiar with affixes and roots

- Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 48 - English Language Learning Pathways to Work L4

Credits: 1-15

Provides an introduction for students interested in participating in an I-BEST. Allows students to learn about each I-BEST program and its' requirements. Gives students the necessary information to choose a program, while teaching the students study skills, employability skills, and improve their English in reading, writing, listening, and speaking. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor

consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading: Students will ask and answer questions about key details in a text related to the workplace as well as identify the main topic and retell those key details. With a lot of support, they will describe the connection between two events, ideas, or pieces of information in a text. They will ask and answer questions to help determine or clarify the meaning of words and phrases in a text. They will use various text features, illustrations and details to locate and describe key facts or information in a text.

Writing: Students, with a lot of support and scaffolding, will write informative/explanatory texts in which they name a topic related to the workplace, supply some facts about the topic, and provide some sense of closure. They will also write short narratives in which they include some details about their work history, education and future goals, and they will use a variety of digital tools to produce and publish writing, including in collaboration with peers.

Speaking and Listening: Students will ask and answer questions in order to seek help, get information, or clarify something that is not understood. They will describe people, places, things, and events related to the workplace with relevant details, expressing ideas and feelings clearly. They will speak audibly and express thoughts, feelings, and ideas with increasing clarity. Students will follow oral directions and ask for clarification.

Employability skills: Students will use self-awareness and workplace skills to make decisions, work in teams, problem solve and present information.

Technology and Math Skills: Students will use Microsoft Word and PowerPoint to compose and edit a document and create a presentation. Students will learn how to use the internet to research a topic. Students will learn the meaning of math symbols and use addition, subtraction, multiplication, division, and measurement.

Program Outcomes

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts

- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives
- Introduce and develop a topic
- Create cohesion and clarify relationships between ideas
- Revise, edit, rewrite
- Do short research project drawing on several cited sources

In Speaking & Listening

- Actively participate in conversations
- Analyze arguments
- Build on the ideas of others
- Express opinions clearly and persuasively
- Work in groups to discuss, pose, and answer questions
- Contribute relevant comments and observations
- Evaluate soundness of speakers' reasoning and sufficiency of evidence
- Adapt speech to formal/informal circumstances
- Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 49 - ELL Summer Institute Cmty Exploration Level 4

Credits: 2

This is a multi-level class offered every summer quarter. Students will explore and become familiar with their community through field trips, volunteer experiences, and

other hands-on project-based learning. Students will use and strengthen their communicative language skills through authentic English immersion. Students will have the opportunity to explore the campus at large and off-campus sites. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
- Know the differences between formal and informal speech.
- Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.
- Enhance your active listening skills.
- Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives
- Introduce and develop a topic

Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 50 - English Language Learning Level 5

Credits: 1-15

High-Intermediate level of ELL. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills plus information literacy, tech skills, and project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

In Reading

a. Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

- b. Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
- c. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).
- d. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of a specific word choice on meaning and tone.
- e. Analyze how a particular sentence, paragraph, chapter, or section fits into the overall structure of a text and contributes to the development of the ideas.
- f. Integrate information presented in different media or formats (e.g., in charts, graphs, photographs, videos, or maps) as well as in words to develop a coherent understanding of a topic or issue.

In Writing

- a. Write arguments to support claims with clear reasons and relevant evidence.
- b. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- c. With some guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.
- d. Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others, including linking to and citing sources.
- e. Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions for further research and investigation.
- f. Draw evidence from literary or informational texts to support analysis, reflection, and research.
- g. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- h. Demonstrate command of the conventions of standard English grammar and usage when writing.

In Speaking and Listening

- a. Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.
- b. Analyze the purpose of information presented in diverse media and formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation
- c. Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.
- d. Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

e. Demonstrate command of the conventions of standard English grammar and usage when speaking.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice, compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 52 - ELL Summer Institute Conversation Level 5

Credits: 5

Provides high-intermediate ELL students with conversation and pronunciation language practice. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
- Know the differences between formal and informal speech.
- Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.
- Enhance your active listening skills. Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized
Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 53 - ELL Summer Institute Writing Level 5

Credits: 5

High-intermediate ELL students who want to focus on their fluency and accuracy in writing through project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write with increased fluency.

- Use feedback to rewrite.

- Edit your own writing.

- Use correct spelling and punctuation.

- Control verb tenses, subject-verb agreement, word order, pronouns.

- Use details.

- Understand the function of an introduction, a conclusion, and an organizing principle in your writing of a narrative essay.

- Have a positive attitude toward writing and increased confidence in your writing.

- Be a self-motivated, independent learner.

- Use writing as a tool for critical thinking.

- Use written English to explore what you have to say.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

- Be familiar with affixes and roots

- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

- Write to inform, explain, examine and convey ideas

- Write arguments with reasons and evidence

- Write narratives

Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening
Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 54 - ELL Conversation Support Level 5

Credits: 1-5

Provides additional conversation support for current students in ELL 50 who need to improve their conversational skills. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Know the differences between formal and informal speech.

Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.

Enhance your active listening skills.

Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 55 - ELL Pronunciation Support Level 5

Credits: 1-5

Provides additional support for current students in ELL 50 who need to improve their pronunciation skills. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize and improve articulation of English segmentals (vowels and consonants).

Recognize and improve production of English suprasegmentals (stress, rhythm, intonation, reductions) at the word, phrase and sentence level.

Identify and self-monitor key points of interference between students' first language and American English.

Effectively use online resources and phonemic alphabets to verify correct pronunciation.

Become aware of differences between spelling and pronunciation in American English.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 56 - ELL Writing Support Level 5

Credits: 1-5

For current students in ELL 50 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write with increased fluency.

- Use feedback to rewrite.

- Edit their own writing.

- Use correct spelling and punctuation.

- Control verb tenses, subject-verb agreement, word order, pronouns.

- Use details.

- Understand the function of an introduction, a conclusion, an organizing principle in their writing of a narrative essay.

- Have a positive attitude toward writing and increased confidence in their writing.

- Be self-motivated, independent learners.

- Use writing as a tool for critical thinking.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 57 - ELL Technology Support Level 5

Credits: 1-5

Provides ELL 50 students with opportunities to learn, improve, and use English through technology. Students will discover new ways to enhance their language-learning skills, which will add to their overall success in other ELL classes and beyond. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Independently accomplish and/or collaborate to complete English language-learning activities and project-based assignments through technology.

- Know the major parts of a computer and express an understanding of their basic functions.

- Use technology vocabulary appropriately and effectively.

- Use keys and functions common to most programs, such as save, open, delete, and close.

- Gain access and learn how to use resources, such as spell check, thesaurus, and dictionaries. Increase ability in using a variety of other forms of technology, such as a digital camera, scanner, etc.

- Use the Internet, Canvas, online databases, email, and programs such as Microsoft Word and PowerPoint.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation, present, past, future, continuous, present perfect, past perfect, modals,

gerunds, infinitives, questions and negative statements, pronouns and prepositions,

active and passive voice

compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

ELL 59 - ELL Summer Institute Cmty Exploration Level 5

Credits: 2

This is a multi-level class offered every summer quarter. Students will explore and become familiar with their community through field trips, volunteer experiences, and other hands-on project-based learning. Students will use and strengthen their communicative language skills through authentic English immersion. Students will have the opportunity to explore the campus at large and off-campus sites. This is a pass/no credit course.

Enrollment Requirement: ELL 40, 41 or 48; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening
Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 60 - English Language Learning Level 6

Credits: 1-15

Advanced level of ELL. Students prepare for academic or work readiness with contextualized study of content. Students work on all language skills plus information literacy, tech skills, and project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 50; placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

In Reading

Cite evidence from the text to analyze and draw inferences
Summarize
Use context to determine meaning
Analyze how texts are organized
Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

Grammar:

Punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
Compound and complex sentences

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National

Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice, compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 62 - ELL Summer Institute Conversation Level 6

Credits: 5

Provides advanced ELL students with conversation and pronunciation language practice. This is a pass/no credit course.

Enrollment Requirement: ELL 50; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
- Know the differences between formal and informal speech. Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.
- Enhance your active listening skills. Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style

are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening
Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 63 - ELL Summer Institute Writing Level 6

Credits: 5

Advanced ELL students who want to focus on their fluency and accuracy in writing through project-based learning. This is a pass/no credit course.

Enrollment Requirement: ELL 50; placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Write with increased fluency.
Use feedback to rewrite.

Edit your own writing.
Use correct spelling and punctuation.
Control verb tenses, subject-verb agreement, word order, pronouns.
Use details.
Understand the function of an introduction, a conclusion, and an organizing principle in your writing of a narrative essay.
Have a positive attitude toward writing and increased confidence in your writing.
Be a self-motivated, independent learner.
Use writing as a tool for critical thinking.
Use written English to explore what you have to say.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences
Summarize
Use context to determine meaning
Analyze how texts are organized
Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 64 - ELL Conversation Support Level 6

Credits: 1-5

Provides additional conversation support for current students in ELL 60 who need to improve their conversational skills. This is a pass/no credit course.

Enrollment Requirement: ELL 50; placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Know the differences between formal and informal speech.

Use your conversational skills to actively participate in class, other classes and outside of class at work, home, and within the community.

Enhance your active listening skills.

Improve your ability to manage conversations, recognize when listeners don't understand and be able to provide clarification, have a positive attitude toward speaking and an increased confidence in speaking, as well as be self-motivated, independent learners.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 65 - ELL Pronunciation Support Level 6

Credits: 1-5

Provides additional support for current students in ELL 60 who need to improve their pronunciation skills. This is a pass/no credit course.

Enrollment Requirement: ELL 50; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize and improve articulation of English segmentals (vowels and consonants).

Recognize and improve production of English suprasegmentals (stress, rhythm, intonation, reductions) at the word, phrase and sentence level.

Identify and self-monitor key points of interference between students' first language and American English.

Effectively use online resources and phonemic alphabets to verify correct pronunciation.

Become aware of differences between spelling and pronunciation in American English.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 66 - ELL Writing Support Level 6

Credits: 1-5

For current students in ELL 60 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. This is a pass/no credit course.

Enrollment Requirement: ELL 50; placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Write with increased fluency.

Use feedback to rewrite.

Edit their own writing.

Use correct spelling and punctuation.

Control verb tenses, subject-verb agreement, word order, pronouns.

Use details.

Understand the function of an introduction, a conclusion, an organizing principle in their writing of a narrative essay.

Have a positive attitude toward writing and increased confidence in their writing.

Be self-motivated, independent learners.

Use writing as a tool for critical thinking.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:
punctuation, present, past, future, continuous, present perfect, past perfect, modals,
gerunds, infinitives, questions and negative statements, pronouns and prepositions,
active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 67 - ELL Technology Support Level 6

Credits: 1-5

Provides ELL 60 students with opportunities to learn, improve, and use English through technology. Students will discover new ways to enhance their language-learning skills, which will add to their overall success in other ELL classes and beyond. This is a pass/no credit course.

Enrollment Requirement: ELL 50; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Independently accomplish and/or collaborate to complete English language-learning activities and project-based assignments through technology. In order to do so

successfully, students need to know the major parts of a computer and express an understanding of their basic functions.
Use technology vocabulary appropriately and effectively.
Use keys and functions common to most programs, such as save, open, delete, and close.
Gain access and learn how to use resources, such as spell check, thesaurus, and dictionaries. Increase ability in using a variety of other forms of technology, such as a digital camera, scanner, etc.
Use the Internet, Canvas, online databases, email, and programs such as Microsoft Word and PowerPoint.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking, listening, reading, and writing.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences
Summarize
Use context to determine meaning
Analyze how texts are organized
Determine points of view
Understand graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Be familiar with affixes and roots
Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 69 - ELL Summer Institute Cmty Exploration Level 6

Credits: 2

This is a multi-level class offered every summer quarter. Students will explore and become familiar with their community through field trips, volunteer experiences, and other hands-on project-based learning. Students will use and strengthen their communicative language skills through authentic English immersion. Students will have the opportunity to explore the campus at large and off-campus sites. This is a pass/no credit course.

Enrollment Requirement: ELL 50; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

In Speaking & Listening

Actively participate in conversations

Analyze arguments

- Build on the ideas of others
- Express opinions clearly and persuasively
- Work in groups to discuss, pose, and answer questions
- Contribute relevant comments and observations
- Evaluate soundness of speakers' reasoning and sufficiency of evidence
- Adapt speech to formal/informal circumstances
- Give clear, effective presentations integrating multi-media

In grammar:

punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences
- Summarize
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Understand graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Be familiar with affixes and roots
- Understand similes and metaphors

In Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives
- Introduce and develop a topic
- Create cohesion and clarify relationships between ideas
- Revise, edit, rewrite
- Do short research project drawing on several cited sources

In Speaking & Listening

- Actively participate in conversations
- Analyze arguments
- Build on the ideas of others
- Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice, compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 71 - Reading Support for Level 1

Credits: 1-5

Reading class for beginning ELL students. Students will improve their basic reading skills including letter sound recognition, basic vocabulary, fluency and comprehension. This is a pass/no credit course.

Enrollment Requirement: Placement test and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Improve phonemic awareness and decoding skills.

Build basic vocabulary.

Read and comprehend learned words in a few simple phrases and basic personal information slowly and with some effort but with few errors, to independently accomplish simple, well defined, and structured reading activities in a few comfortable and familiar settings.

Identify the main topic and retell key details of a text. Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

Know and use various text features to locate key facts or information in a text. Use the illustrations and details in a text to describe its key ideas.

The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in reading.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 72 - Reading Support for Level 2

Credits: 1-5

Reading class for high-beginning ELL students. Students will improve their basic reading skills including letter sound recognition, basic vocabulary, fluency and comprehension. This is a pass/no credit course.

Enrollment Requirement: ELL 8, 9 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Improve phonemic awareness and decoding skills.

- Build vocabulary.

- Ask and answer questions about key details in a text. Identify the main topic and retell key details of a text. Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

- Know and use various text features to locate key facts or information in a text. Use the illustrations and details in a text to describe its key ideas.

The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in reading.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

- Cite evidence from the text to analyze and draw inferences

- Summarize

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Understand graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

- Be familiar with affixes and roots

- Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 76 - ELL Summer Institute Conversation Literacy Level

Credits: 1-10

Provides literacy level ELL students with conversation and pronunciation language practice.

Enrollment Requirement: Placement test and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

Begin to participate in collaborative conversations with diverse partners in small and larger groups.

Begin to follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics under discussion.)

Begin to ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Speak audibly, and begin to describe people, places, things, and events with some errors.

Start to express ideas and feelings.

Produce complete sentences when appropriate to task and situation.

*The outcomes will be adjusted in depth and intensity depending on the credits for which the classes are offered. More intensity and depth can include multi-level cohort activities, class projects, guest speakers, field trips, and expanded language development and application in speaking and listening

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

- Analyze arguments
- Build on the ideas of others
- Express opinions clearly and persuasively
- Work in groups to discuss, pose, and answer questions
- Contribute relevant comments and observations
- Evaluate soundness of speakers' reasoning and sufficiency of evidence
- Adapt speech to formal/informal circumstances
- Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL 82 - English for Women's Health Level 2

Credits: 1-5

Provides high-beginning ELL students with opportunity to practice and improve speaking, listening, reading and writing skills in the context of women's health. This is a pass/no credit course.

Enrollment Requirement: ELL 1 or 10; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Begin to express basic concerns with level appropriate vocabulary in a women's health context.
- Begin to describe symptoms with level appropriate vocabulary that occur in a women's health context.
- Begin to share experiences with level appropriate vocabulary that relate to a women's health context.
- Begin to ask and answer questions to seek help about women's health issues.
- Respond to basic written questions in a women's health context.
- Use basic reading strategies to understand important information in a text.
- Begin to improve communication skills to interact with health professionals and advocate for oneself.
- Begin to learn to navigate community resources regarding women's health.

Program Outcomes

We are now using the Career and College Readiness Standards from the National Reporting System. When students are ready to leave our program in level 6, they can do the following:

In Reading

Cite evidence from the text to analyze and draw inferences

Summarize

Use context to determine meaning

Analyze how texts are organized

Determine points of view

Understand graphs, charts, diagrams, maps

Delineate and evaluate arguments

Compare and contrast texts

Be familiar with affixes and roots

Understand similes and metaphors

In Writing

Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

Write to inform, explain, examine and convey ideas

Write arguments with reasons and evidence

Write narratives

Introduce and develop a topic

Create cohesion and clarify relationships between ideas

Revise, edit, rewrite

Do short research project drawing on several cited sources

In Speaking & Listening

Actively participate in conversations

Analyze arguments

Build on the ideas of others

Express opinions clearly and persuasively

Work in groups to discuss, pose, and answer questions

Contribute relevant comments and observations

Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances

Give clear, effective presentations integrating multi-media

By the time you leave level 6, you should have control over these parts of grammar:

punctuation ,present, past, future, continuous, present perfect, past perfect ,
modals, gerunds, infinitives, questions and negative statements , pronouns and
prepositions , active and passive voice
compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 83 - English for Women's Health Level 3

Credits: 1-5

Provides low-intermediate ELL students with opportunity to practice and improve speaking, listening, reading and writing skills in the context of women's health. This is a pass/no credit course.

Enrollment Requirement: ELL 2, 20, 21 or 28; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Express basic concerns with level appropriate vocabulary in a women's health context.
- Describe symptoms with level appropriate vocabulary that occur in a women's health context.
- Share experiences with appropriate vocabulary and relevant details that relate to a women's health context.
- Ask and answer basic questions to seek help about women's health issues.
- Respond to written questions in a women's health context.
- Use reading strategies to understand important information in a text.
- Improve communication skills to speak with health professionals and advocate for oneself.
- Learn how to navigate community resources regarding women's health.

Program Outcomes

- Cite evidence from the text to analyze and draw inferences
- Summarize texts
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view

Comprehend graphs, charts, diagrams, maps
Delineate and evaluate arguments
Compare and contrast texts
Identify affixes and roots
Use similes and metaphors
Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
Write to inform, explain, examine and convey ideas
Write arguments with reasons and evidence
Write narratives
Introduce and develop a topic
Create cohesion and clarify relationships between ideas
Revise, edit, rewrite
Complete short research project drawing on several cited sources
Actively participate in conversations
Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media
Demonstrate control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
Compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 84 - English for Women's Health Level 4

Credits: 1-5

Provides intermediate ELL with opportunity to practice and improve speaking, listening, reading and writing skills in the context of women's health. This is a pass/no credit course.

Enrollment Requirement: ELL 3, 30, 31 or 38; and placement test; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Express concerns with level appropriate vocabulary in a women's health context.
- Describe symptoms with level appropriate vocabulary that occur in women's health
- Share experiences with appropriate vocabulary and relevant details that relate to a women's health context.
- Ask and answer questions to seek help about women's health issues.
- Respond to written questions in a women's health context with appropriate detail.
- Use reading strategies to understand important information in a text.
- Improve communication skills when interacting with health professionals and advocating for oneself.
- Learn how to navigate community resources regarding women's health.

Program Outcomes

- Cite evidence from the text to analyze and draw inferences
- Summarize texts
- Use context to determine meaning
- Analyze how texts are organized
- Determine points of view
- Comprehend graphs, charts, diagrams, maps
- Delineate and evaluate arguments
- Compare and contrast texts
- Identify affixes and roots
- Use similes and metaphors
- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience
- Write to inform, explain, examine and convey ideas
- Write arguments with reasons and evidence
- Write narratives
- Introduce and develop a topic
- Create cohesion and clarify relationships between ideas
- Revise, edit, rewrite
- Complete short research project drawing on several cited sources
- Actively participate in conversations
- Analyze arguments
- Build on the ideas of others
- Express opinions clearly and persuasively
- Work in groups to discuss, pose, and answer questions
- Contribute relevant comments and observations
- Evaluate soundness of speakers' reasoning and sufficiency of evidence

Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media
Demonstrate control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice
Compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL 85 - English For Women's Health Level 5

Credits: 1-5

Provides high-intermediate ELL students with opportunity to practice and improve speaking, listening, reading and writing skills in the context of women's health. This is a pass/no credit course.

Enrollment Requirement: ELL 40 or 41 or 48; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use level appropriate vocabulary to express concerns, describe symptoms and share experiences related to women's health.
- Ask and answer questions to seek help about women's health issues.
- Respond to written questions in a women's health context with appropriate detail.
- Use reading strategies to understand important information in a text.
- Improve communication skills when interacting with health professionals and advocating for oneself.
- Demonstrate ability to navigate community resources regarding women's health.
- Practice level appropriate listening strategies while interacting with women's health guest speakers.

Program Outcomes

Cite evidence from the text to analyze and draw inferences

Summarize texts
 Use context to determine meaning
 Analyze how texts are organized
 Determine points of view
 Comprehend graphs, charts, diagrams, maps
 Delineate and evaluate arguments
 Compare and contrast texts
 Identify affixes and roots
 Use similes and metaphors
 Produce clear and coherent writing in which the development, organization, and style
 are appropriate to the task and audience
 Write to inform, explain, examine and convey ideas
 Write arguments with reasons and evidence
 Write narratives
 Introduce and develop a topic
 Create cohesion and clarify relationships between ideas
 Revise, edit, rewrite
 Complete short research project drawing on several cited sources
 Actively participate in conversations
 Analyze arguments
 Build on the ideas of others
 Express opinions clearly and persuasively
 Work in groups to discuss, pose, and answer questions
 Contribute relevant comments and observations
 Evaluate soundness of speakers' reasoning and sufficiency of evidence
 Adapt speech to formal/informal circumstances
 Give clear, effective presentations integrating multi-media
 Demonstrate control over these parts of grammar: punctuation, present, past, future,
 continuous, present perfect, past perfect, modals, gerunds, infinitives, questions
 and negative statements, pronouns and prepositions, active and passive voice,
 compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions
 necessary for students to be effective members of a community. This outcome is
 designed to help students recognize the value of a commitment to those
 responsibilities which will enable them to work successfully individually and with
 others.

Written Communication - Written Communication encompasses all the abilities
 necessary for effective expression of thoughts, feelings, and ideas in written
 form.

ELL 86 - English for Women's Health Level 6

Credits: 1-5

Provides high level ELL with opportunity to practice and improve speaking, listening, reading and writing skills in the context of women's health. This is a pass/no credit course.

Enrollment Requirement: ELL 50; and placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use level appropriate vocabulary to express concerns, describe symptoms, and share experiences related to women's health.

- Ask and answer questions to seek help about a broader range of women's health issues.

- Respond to written questions in a women's health context with appropriate detail.

- Use reading strategies to understand important information in a text.

- Improve communication skills using more comprehensive vocabulary when interacting with health professionals and advocating for oneself.

- Demonstrate ability to navigate community resources regarding women's health.

- Practice level appropriate listening strategies while interacting with women's health guest speakers.

Program Outcomes

- Cite evidence from the text to analyze and draw inferences

- Summarize texts

- Use context to determine meaning

- Analyze how texts are organized

- Determine points of view

- Comprehend graphs, charts, diagrams, maps

- Delineate and evaluate arguments

- Compare and contrast texts

- Identify affixes and roots

- Use similes and metaphors

- Produce clear and coherent writing in which the development, organization, and style are appropriate to the task and audience

- Write to inform, explain, examine and convey ideas

- Write arguments with reasons and evidence

- Write narratives

- Introduce and develop a topic

- Create cohesion and clarify relationships between ideas

- Revise, edit, rewrite

- Complete short research project drawing on several cited sources

- Actively participate in conversations

Analyze arguments
Build on the ideas of others
Express opinions clearly and persuasively
Work in groups to discuss, pose, and answer questions
Contribute relevant comments and observations
Evaluate soundness of speakers' reasoning and sufficiency of evidence
Adapt speech to formal/informal circumstances
Give clear, effective presentations integrating multi-media
Demonstrate control over these parts of grammar: punctuation, present, past, future, continuous, present perfect, past perfect, modals, gerunds, infinitives, questions and negative statements, pronouns and prepositions, active and passive voice, compound and complex sentences.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

English Language Learning-Online

ELL-O 9 - English Language Learning Online Literacy Level

Credits: 12

Online literacy level of ELL. Students study contextualized content to improve fluency.

This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Recognize and reproduce
letter names and sounds
short vowel sounds and a variety of long vowel sounds
consonant blends (ch, sh, th, etc.
Digraphs ph, ey, etc., in basic sight words (they, phone)

Demonstrate ability to sound out short and some long vowel words, reading from left to right within a word.

Read short vowel sound and sight word passages with some fluency.

Recognize beginnings and endings of sentences.

Confirm understanding of a text by answering questions about key details.

Begin to use capitals and periods when writing complete sentences and start to write short answers to basic personal information questions.

Spell short vowel words and simple sight words, such as go to, it, she with few errors, and write numbers 1-100 in numerals and numbers 1-10 in words.

Participate in guided discussions with diverse partners with instructor support.

Speak learned and rehearsed words and phrases with hesitation and some inaccuracy, using a high level of support.

Communicate some basic needs to instructor and other students in English.

Comprehend the gist of short, simple conversations with highly structured supports.

Use video conferencing tools such as mute/unmute buttons to participate in class discussions.

Start to use the digital tools in Canvas to complete online classwork.

Use messaging applications to ask for help from instructors.

Program Outcomes

Reading

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.
Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL-O 10 - English Language Learning Online Level 1

Credits: 12

Online beginning level of English Language Learning. Students study contextualized content to improve fluency. This is a pass/no credit course.

Enrollment Requirement: ELL-O 9; or ELL 8 or 9; or placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize and reproduce letter names and sounds.
- Read basic sight words and short and long vowel words with some fluency.
- Identify the main topic, read and comprehend short passages on familiar topics.
- Use the illustrations and information in a text to understand its key details.
- Understand and respond to verbal and written questions on reading passages.
- Produce complete sentences when appropriate to task and situation and use capitals and periods with few errors.
- Write and spell basic sight words and simple short and long vowel words with minimal errors.
- Create simple verbal statements concerning personal information without prompting and produce complete sentences when appropriate to task and situation.
- Participate in guided discussions with diverse partners, following agreed upon rules, such as listening to others with care, speaking one at a time, etc.
- Communicate basic needs to instructor and other students in English.
- Answer basic personal information questions and respond to questions with limited guidance or repetition.
- Comprehend the gist of simple conversations with aid from some visual cues and pre-learned vocabulary and phrases.
- Use video conferencing tools such as mute/unmute buttons, and chat to participate in class discussions.
- Use the digital tools in Canvas to complete online classwork.
- Use email, and messaging applications to ask for help from instructors.

Program Outcomes

Reading

- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.
- Determine the main idea of a text; recount the key details and explain how they support the main idea.
- Use information gained from illustrations and the words in a text to demonstrate understanding of the text.
- Use linking words and phrases to connect ideas within categories of information.
- Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
- Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

- Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ELL-O 20 - English Language Learning Online Level 2

Credits: 12

Online high-beginning level of ELL. Students study contextualized content to improve fluency. This is a pass/no credit course.

Enrollment Requirement: ELL-O 10; or ELL 10; or placement test; or instructor

consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

- Identify the main topic and retell key details of a text.
- Ask and answer questions about key details in a text.
- Use context clues and instructor provided resources to help determine or clarify the meaning of words and phrases in a text.
- Know and use various text features to locate key facts or information in a text.
- Confirm understanding of a text by asking and answering questions about key details and requesting clarification if something is not understood.
- Describe the connection between individuals, events, ideas, or pieces of information in a text.

Writing

- Write short compositions which sequence events, include some details, use temporal words to signal event order, and provide some sense of closure.
- Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.
- Produce complete sentences when appropriate to task and situation.

Speaking and Listening

- Participate in guided discussions with diverse partners in small and larger groups.
- Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).
- Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Technology

- Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.
- Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.
- Log in to and use multiple applications or computer programs simultaneously.
- Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

Program Outcomes

Reading

- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.

Speaking and Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL-O 30 - English Language Learning Online Level 3

Credits: 12

Online Low-intermediate level of ELL. Students study contextualized content to improve fluency. This is a pass/no credit course.

Enrollment Requirement: ELL-O 20; or ELL 20, 21 or 28; or placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

Ask and answer questions about key details in a text.

Identify the main topic and retell key details of a text.

Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.

Know and use various text features to locate key facts or information in a text.

Use the illustrations and details in a text to describe its key ideas.

Identify the reasons an author gives to support points in a text.

Writing

Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.

Speaking and Listening

With guidance and support, recall information from experiences.

Participate in collaborative conversations with diverse partners in small and larger groups.

Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion, and gaining the floor in respectful ways).

Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Ask questions to check understanding of information presented and stay on topic.

Describe people, places, things, and events with relevant details.

Speak audibly and start to express thoughts, feelings, and ideas clearly.

Produce complete sentences when appropriate to task and situation.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screensharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

Program Outcomes

Reading

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

1. Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

2. Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

3. Log in to and use multiple applications or computer programs simultaneously.

4. Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those

responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL-O 40 - English Language Learning Online Level 4

Credits: 12

Online intermediate level of ELL. Students study contextualized content to improve fluency. This is a pass/no credit course.

Enrollment Requirement: ELL-O 30; or ELL 30; or placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.
- Determine the main idea of a text; recount the key details and explain how they support the main idea.
- Use information gained from illustrations and the words in a text to demonstrate understanding of the text.
- Use linking words and phrases to connect ideas within categories of information.

Writing

- Write one to two paragraph narratives.
- With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.
- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Speaking/Listening

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

Program Outcomes

Reading

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.
Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL-O 50 - English Language Learning Online Level 5

Credits: 12

Online high-intermediate level of ELL. Students study contextualized content to improve fluency. This is a pass/no credit course.

Enrollment Requirement: ELL-O 40; or ELL 40; or placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.
- Determine the main idea of a text; recount the key details and explain how they support the main idea.
- Use information gained from illustrations and the words in a text to demonstrate understanding of the text.
- Use linking words and phrases to connect ideas within categories of information.
- Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Writing

- Write multi-paragraph narratives.
- With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.
- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.
- Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
- Ask and answer such questions as who, what, where, when, why.
- Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.
- Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

Program Outcomes

Reading

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL-O 60 - English Language Learning Online Level 6

Credits: 12

Online advanced level of ELL. Students study contextualized content to improve fluency. This is a pass/no credit course.

Enrollment Requirement: ELL-O 50; or ELL 50; or placement test; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

Program Outcomes

Reading

- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.
- Determine the main idea of a text; recount the key details and explain how they support the main idea.
- Use information gained from illustrations and the words in a text to demonstrate understanding of the text.
- Use linking words and phrases to connect ideas within categories of information.
- Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
- Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

- Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.
- With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.
- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.
- Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

- Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.
- Ask and answer such questions as who, what, where, when, why.
- Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.
- Demonstrate command of the conventions of standard English grammar and usage when speaking.
- Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.
- Build on the ideas of others.
- Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL-O 70 - English Language Learning Online Low-level

Credits: 1-6

Online low-level of ELL. Students study contextualized content to improve fluency. This course has managed enrollment. This is a pass/no credit course.

Enrollment Requirement: Guided self-placement and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

Identify the main topic and retell key details of a text.

Ask and answer questions about key details in a text.

Know and use various text features to locate key facts or information in a text.

Writing

Produce complete sentences when appropriate to task and situation.

Speaking and Listening

Participate in collaborative conversations with diverse partners in small and larger groups.

Build on others' talk in conversations by responding to the comments of others through multiple exchanges.

Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Describe people, places, things, and events with relevant details, start to express ideas and feelings clearly.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Program Outcomes

Reading

Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Use information gained from illustrations and the words in a text to demonstrate understanding of the text.

Use linking words and phrases to connect ideas within categories of information.

Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Writing

Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.

With guidance and support from peers and others, develop and strengthen writing as needed by planning, revising, and editing.

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Write arguments to support claims with clear reasons and relevant evidence.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Engage effectively in a range of collaborative discussions (one on-one, in groups, and teacher led) with diverse partners, building on others' ideas and expressing their own clearly.

Build on the ideas of others.

Express opinions clearly and persuasively.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

ELL-O 80 - English Language Learning Online High Level

Credits: 1-6

Online high-level of ELL. Students study contextualized content to improve fluency. This course has managed enrollment. This is a pass/no credit course.

Enrollment Requirement: Guided self-placement and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

Reading

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Writing

Write one to two paragraph narratives.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

Program Outcomes

Reading

Determine the main idea of a text; recount the key details and explain how they support the main idea.

Writing

Write one to two paragraph narratives.

Demonstrate command of the conventions of standard English capitalization, punctuation, spelling and standard English grammar when writing.

Speaking/Listening

Speak more fluently with increased vocabulary and improved pronunciation, intonation and word stress.

Ask and answer such questions as who, what, where, when, why.

Improve ability to manage conversations, recognize when listeners don't understand and be able to provide clarification.

Demonstrate command of the conventions of standard English grammar and usage when speaking.

Technology

Use video conferencing tools such as mute/unmute buttons, chat, screen sharing, and breakout rooms to participate in class discussions.

Use the digital tools in Canvas to complete online classwork and participate in written and recorded discussions.

Log in to and use multiple applications or computer programs simultaneously.

Use email, discussion, and messaging applications to ask for help from instructors, classmates, and college staff.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Environmental Science

ENV S 194 - Special Topics-Environmental Science

Credits: 1-5

Investigates the interaction of physical and biological systems in the environment. Examines the scientific principles which are involved in modern environmental problems and issues. Scientific topics could include energy, climate, soils, water, animal studies, local plants, and the dynamics of plants and animal populations and the communities they form. For students wishing to obtain a broad picture of human activities and their relationship to basic processes of ecosystems. Classes are conducted through lectures, class and group discussion and/or readings. May be repeated when a different topic is presented. This class does not meet the lab requirement.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and evaluate important environmental issues that face us today.
- Recognize how we directly and indirectly affect the environment.
- Develops concepts describing a sustainable society.
- Interpret statements made about the environment in the media.
- Work effectively with peers in finding solutions to environmental problems.

Program Outcomes

- Recognize how scientists use the Scientific Method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.
- Students will learn the steps of the scientific Method and be able to use the steps to design an experiment, collect data, and analyze the data.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

ENV S 204 - Natural Science and the Environment

Credits: 5

Investigates the interaction of physical and biological systems in the environment. Examines the scientific principles which are involved in modern environmental problems and issues. Scientific topics could include energy, climate, soils, water, animal studies, local plants, and the dynamics of plants and animal populations and the communities they form. For students wishing to obtain a broad picture of human activities and their relationship to basic processes of ecosystems. This class does not meet the lab requirement.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and evaluate important environmental issues that face us today.
- Recognize how we directly and indirectly affect the environment.
- Develop concepts describing a sustainable society.
- Interpret statements made about the environment in the media.

Work effectively with peers in finding solutions to environmental problems.

Program Outcomes

Students will learn the scientific method to recognize how scientists use this method to guide their inquiry, generate hypotheses, experimental design, reasoning, and draw conclusions based on empirical data.

Students will learn the steps of the scientific Method and be able to use the steps to design an experiment, collect data, and analyze the data.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Film

FILM 101 - Introduction to Film Studies

Credits: 5

Explores the nature, function, and value of film. Through the study of film, students will come to understand the range of imaginative worlds that could not exist in any other form in quite the same way these worlds do in film. Both form and content will be explored to understand the impact of film as a mirror of society.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

Explain important critical tools currently in use in film studies.

Break down what film can be in a broader sense beyond its entertainment factor.

Evaluate film in a critical fashion to better understand how film influences our understanding of diverse populations (ethnic, religious, sexual, gender, class, etc.)

Explain their comprehension of the social, political, and/or economic contexts of film.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FILM 120 - The Art of the Film

Credits: 5

Course is an introduction to the art of film. The goal is to instill an appreciation for film as an art form. Course looks at the breadth of film as an art form by covering aspects of film from the style, theme, genre, cinematic techniques, etc.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the techniques in film-making--such as mise-en-scène, cinematography, editing, sound, sources for films, and types of films.

- Examine diversity in our culture, as expressed in current films.

- Demonstrate an understanding of creativity in cinematic production, with respect to style, cinematic technique, genre, and theme.

- Demonstrate proficiency in the ability to respond to and evaluate film production using reasoned judgment.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FILM 121 - Contemporary American Film

Credits: 5

Examines contemporary American movies: directors, actors, style, and themes of cultural diversity. Focuses on the examination of popular films for greater understanding of cinematic aesthetics and greater awareness of how movies today both reflect and influence values of our culture, with special focus on diversity of gender, ethnicity and

class.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain an enhanced awareness of, and appreciation for, the cinematic qualities of contemporary American movies.

- Examine diversity in our culture, as expressed in current films.

- Identify and examine prevailing themes and images in contemporary American films.

- Engage interactively with contemporary cultural issues through discussions and analysis of course concepts.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FILM 122 - Introduction to Film: Genres

Credits: 5

Introduces film genres such as thrillers, film noir, melodramas, westerns, documentary or culturally specific films. Examines the literary, mythic and historical aspects of the different genres. Examines the social and political significance of different genres through the use of specific films watched in class.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and describe the characteristics and qualities of various film genres.

- Apply and analyze the theoretical elements of film genre to specific films.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FILM 151 - Asian Film Studies

Credits: 5

Examine and analyze specific examples of films from Asian, East Asian and/or Southeast Asian countries. Learn and apply the following film studies concepts to analyzing the films: film terms and techniques, director and setting analysis, and thematic and cultural analysis. Examine the intersectionality of these multiple identities as portrayed through Asian film (including cultural identity/race, class/economics, politics/national identity, and gender lenses).

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze a representative selection of Asian film for cultural contexts.
- Analyze a representative selection of Asian film in historical contexts.
- Apply literary/film criticism methodologies to Asian film.
- Evaluate Asian films using film studies techniques.
- Evaluate the narrative structure of Asian films.
- Evaluate the composition of Asian films.

Program Outcomes

- Create message appropriate to the audience, purpose, and context.
- Use, synthesize, or produce needed information ethnically.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.
- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FILM 162 - Gender in Film

Credits: 5

Examines social and political gender codes, gender and identity, power structures and inequities, and intersectionality by viewing and analyzing films that are about the constructions of gender and films that are about and/or directed by women, including women of color, and films by or about those who identify as LGBTQ+. Learn and apply the following concepts to analyzing the films: film terms and techniques, director and setting analysis, and thematic and cultural analysis and the intersectionality of these multiple identities as portrayed through film.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze a representative selection of films related to gender issues and identity for women, women of color, and the LGBTQ community.

- Examine the cultural contexts of these films.

- Analyze films for key aspects related to the representations of gender (for constructions of gender and codes of masculinity/femininity, for women, and for those who identify as LGBTQ+) in areas such as identity, roles, codes, race, discrimination, inequity, laws, class/economics, and other power inequities and intersections among these.

- Evaluate the construction of the films' storylines through a gender perspective.

- Apply various critical approaches (e.g. Feminist Criticism, Queer Theory, and Marxist, postcolonial, and critical race approaches) to their analyses of the films.

Program Outcomes

- Create messages appropriate to the audience, purpose, and context.

- Use, synthesize, or produce needed information ethically.

- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the

role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FILM 191 - Latin America in Film

Credits: 5

Explores the relationship between film and cultural interpretation and understanding of Latin America. Considers the history of cinema in Latin America. Focuses on how film has been used to interpret Latin American culture and how we can use it to understand Latin American past and present with special emphasis on discussing the complex history and social problems of the region. Also explores common stereotypes with which Latin America has been portrayed in mainstream U.S. movies. No knowledge of Spanish language required. Cross-listed with LAS 191.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret and discuss art movies that deal with cultural and historical issues relating to multiple identities, histories cultures, perspectives, contributions, knowledge, struggles and strategies of historically excluded groups in Latin America.

- Acquire a general knowledge of Latin American history and culture.

- Identify the stereotypes with which Latin America has been portrayed in mainstream US movies and will be able to discuss their own preconceptions and/or experiences.

- Use movies as a tool for understanding complex social realities.

- Connect theoretical reading with movies.

French

FRCH& 121 - French I

Credits: 5

Begins the systematic study of French with an emphasis on speaking and listening.

Includes basic grammar, vocabulary, reading, writing, and conversation practice.

Students acquire basic knowledge of the diversity of the French speaking world, its

history, and cultures.

Enrollment Requirement: No previous background in French, or no more than one year of high school French, or no more than two years of high school French with a "C" average or less; and eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Distinguish between formal (F) and informal (I) greetings, introductions and questions.

- Use major regular and irregular verbs to communicate preference, origin, adjectives, personal belongings, family, work, and climate.

- Use three verb groups -ER, -IR, -RE present tense regular & irregular verbs in written and oral.

- Differentiate between present and immediate future in written and oral.

- Use language and intercultural skills to communicate with native speakers of French.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FRCH& 122 - French II

Credits: 5

A systematic study of French using the four basic skills of listening, speaking, reading, and writing. Students acquire basic knowledge of the diversity of the French speaking world, its history, and cultures.

Enrollment Requirement: FRCH& 121 with a grade of 2.0 or higher; and eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss daily routine, food, countries, the body, illnesses and remedies.

Use both forms of the past tense, passé composé and imparfait to write and speak about the past.

Manipulate sentences to avoid repetition through the use of pronouns.

Use language and intercultural skills to communicate with native speakers of French.

Describe ways in which one's own native language(s) and culture(s) are different from and similar to the French language and Francophone cultures.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FRCH& 123 - French III

Credits: 5

Completion of basic system grammar, vocabulary, reading, writing, and conversation. Students acquire basic knowledge of the diversity of the French speaking world, its history, and cultures. Fulfills University of Washington College of Arts and Sciences graduation requirement.

Enrollment Requirement: FRCH& 122 with a grade of 2.0 or higher; and eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Discuss hobbies and sports, vacations, moments in one's life, personal qualities with comparisons.

Use the present subjunctive of regular and irregular verbs in written and oral.

Use future tense to report vacation activities in contrast with the conditional tense in hypothetical situations in written and oral.

Use the imperative tense.

Use a third past tense, the Plus-que-Parfait, in written and oral.

Use language and intercultural skills to communicate with native speakers of French.

Describe ways in which one's own native language(s) and culture(s) are different from and similar to the French language and Francophone cultures.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FRCH 193 - Introduction to Francophone Life and Culture

Credits: 5

An introductory course where cultures of the Francophone world - the Caribbean, the Maghreb, Middle East South-East Asia, Canada, sub-Saharan Africa - and their relationship to France are examined. Historical, literary texts, articles, music and films are studied to understand the linguistic and cultural complexities of the French-speaking world today. Students explore the evolution of the term francophone from colonial to post-colonial times. In English. Previously HUMAN 193.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the term francophone by understanding the diversity within its unifying thread.
- Demonstrate the ability to differentiate various levels of francophone visibility globally.
- Analyze various literary and cinematic genres presented within the historical framework of French colonialism and its aftermath.

Recognize intersectionality as a tool to understand linguistic oppression through the study of past and current events.

Compare and contrast francophone communities inside and outside of the Hexagon (France).

Demonstrate the cultural sensitivity to travel, study and work in francophone regions and/or countries around the world.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FRCH& 221 - French IV

Credits: 5

Systematic review of French grammar. Intensive practice in listening, speaking, reading, and writing, with special emphasis on reading and writing. Oral practice through drills and discussion of selected pieces of French written materials.

Enrollment Requirement: FRCH& 123 or placement by language instructor and eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge of the Francophone world including issues related to colonization, independence and post-colonization both within France and the French-speaking world.

Communicate in French both orally and in writing using the present and the past tenses at a level allowing complex interactions.

Read and understand excerpts of Francophone literature.

Practice language skills in real life situations with French speakers.

Present a project in French.

Generate an assessment in a professional context, including suggestions for a successful integration.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FRCH& 222 - French V

Credits: 5

Systematic review of French grammar aimed at communicative competency at an intermediate level. Intensive practice in listening, speaking, reading, and writing with special emphasis on reading and reacting to texts that explore the diversity of the French speaking world, as well as the global and local implications of gender, racial and cultural interdependence. Includes oral practice through discussion of abovementioned materials.

Enrollment Requirement: FRCH& 221 with a grade of 2.0 or higher; or equivalent, FRCH& 221 is four years in high school with a grade of B or above higher; and eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

Demonstrate knowledge of the Francophone world including issues related to colonization, independence and post-colonization both within France and the French-speaking world.

Communicate in French both orally and in writing using present, past tenses, and future at a level allowing complex interactions.

Generate sophisticated sentences using present and past subjunctive.

Read and understand excerpts of Francophone literature.

Practice language skills in real life situations with French speakers.

Present a project in French.

Create a market study, including a survey, a plan, teamwork and organization.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

FRCH& 223 - French VI

Credits: 5

Systematic review of French grammar aimed at communicative competency at an upper intermediate level. Intensive practice in listening, speaking, reading, and writing with special emphasis on reading and reacting to texts that explore the diversity of the French speaking world, as well as the global and local implications of gender, racial and cultural interdependence. Includes oral practice through discussion of above-mentioned materials.

Enrollment Requirement: FRCH& 222 with a grade of 2.0 or higher; and eligible for ENGL 99; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the Francophone world including issues related to colonization, independence and post-colonization both within France and the French-speaking world.

- Communicate in French both orally and in writing using present, past tenses, future and conditional at a level allowing complex interactions.

- Generate sophisticated sentences using present and past subjunctive as well as hypothetical situations.

- Read and understand excerpts of Francophone literature.

- Practice language skills in real life situations with French speakers.

- Present a project in French.

- Discuss a work contract.

Participate in a hiring assessment.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Written Communication - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Geography

GEOG& 100 - Introduction to Geography

Credits: 5

Survey of elements, major concepts, and methods of the field of geography. Topics include weather, climate, soils, wild vegetation, settlement, population, agricultural systems, and other selected topics.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Use maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate information.
- Use mental maps to organize information about people, places, and environments in a spatial context.
- Analyze the spatial organization of people, places, and environments on Earth's surface.

Program Outcomes

Identify and describe a current geographic problem or inequity at a global or regional scale.

Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 120 - Introduction to Physical Geography

Credits: 5

Analyses the physical structure of the earth's surface, including landforms, weather, climate, and biogeography. Emphasizes understanding of what makes each point on Earth unique and how humans interact with physical systems in multiple ways.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent. **Recommended:** Eligible for ENGL& 101.

Satisfies Requirement: Social Science

Course Fee: \$3.00

Program Outcomes

Identify and describe a current geographic problem or inequity at a global or regional scale.

Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 123 - Globalization

Credits: 5

Examines globalization from a geographic perspective, including the cultural and economic effects of rapid communication and transportation networks. Topics include the globalization of popular culture, economic systems, trade agreements, and arguments both for and against globalization.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$3.00

Program Outcomes

Identify and describe a current geographic problem or inequity at a global or regional scale.

Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 190 - Geographic Exploration

Credits: 1-10

Field course designed to allow students to study the components that make up and contribute to the character of various selected, distinct landscapes while in the field. Skill training (kayak, glacier climbing, scuba, wilderness camping) and subject briefing sessions are usually a part of this course.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Learn and practice field research methods, including field observation, note-taking, and mapping.

- Apply the "cultural landscape concept to multiple places.

- Discuss the ways in which cultural landscapes represent unique combinations of physical and cultural characteristics.

Program Outcomes

- Identify and describe a current geographic problem or inequity at a global or regional scale.

- Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

GEOG& 200 - Human Geography

Credits: 5

The spatial study of cultural phenomena on earth. Examines the distribution of diverse cultures, ethnicities, languages, religions and economies at a global, as well as regional, scale. Analyzes current geographic problems in the context of migration, population growth, ethnic and religious identities, the colonial legacy and the growing forces of globalization.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$3.00

Program Outcomes

- Identify and describe a current geographic problem or inequity at a global or regional scale.

Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 201 - World Regional Geography

Credits: 5

Study of the world's regional structure; analysis and interpretation of the world's cultural, economic, and resource patterns.

Enrollment Requirement: Eligible for ENGL& 101.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Use maps and other geographic representations, tools, and technologies to acquire, process, and report information.

- Use mental maps to organize information about people, places, and environments.

- Analyze the spatial organization of people, places, and environments on Earth's surface.

- Analyze the physical and human characteristics of places.

- Analyze how people create regions to interpret Earth's complexity.

- Analyze how culture and experience influence people's perception of places and regions.

- Analyze the characteristics, distribution, and migration of human populations on Earth's surface.

- Analyze the patterns and networks of economic interdependence on Earth's surface.

- Analyze how forces of cooperation and conflict among people influence the division and control of Earth's surface.

- Analyze how human actions modify the physical environment.

- Analyze the changes that occur in the meaning, use, distribution, and importance of resources.

- Apply geography to interpret the past.

- Apply geography to interpret the present and plan for the future.

Program Outcomes

- Identify and describe a current geographic problem or inequity at a global or regional scale.

- Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 205 - Environmental Geography

Credits: 5

Studies the relationship between humans and the natural world. Topics include

population, consumption, resources, pollution, agriculture, and sustainability. Emphasizes global climate change and the environmental systems of the Puget Sound bioregion.

Enrollment Requirement: Eligible for ENGL& 101 and MATH& 141; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze the spatial organization of people, places, and environments on Earth's surface.

- Analyze the physical and human characteristics of places.

- Analyze the physical processes that shape the patterns of Earth's surface.

- Analyze the characteristics and spatial distribution of ecosystems on Earth's surface.

- Analyze the characteristics, distribution, and migration of human populations on Earth's surface.

- Analyze the patterns and networks of economic interdependence on Earth's surface.

- Analyze the process, patterns, and functions of human settlement.

- Analyze how human actions modify the physical environment.

- Analyze how physical systems affect human systems.

- Analyze the changes that occur in the meaning, use, distribution, and importance of resources.

- Apply geography to interpret the past.

- Apply geography to interpret the present and plan for the future.

Program Outcomes

- Identify and describe a current geographic problem or inequity at a global or regional scale.

- Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 210 - Mountain Geography

Credits: 5

Provides a geographic overview of mountains including the importance of mountain regions to humans, the formation, geomorphology, weather, climate, and biology of mountain regions. May include a one-day field trip on a Saturday.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Acknowledge the importance of mountain environments to human society.
- Analyze the role of plate tectonics in mountain building.
- Describe the weather and climate unique to mountain ranges.
- Outline impacts on mountain environments due to climate change.
- Identify landforms resulting from glaciation.
- Explain how glaciers form and create landforms.
- Discuss safe travel in snow avalanche terrain.
- Paraphrase all of the various ways rocks are weathered.
- Demonstrate how water, ice, and mass wasting shape mountains.
- Assess what factors vegetation and wildlife must possess to thrive in the mountain environment.
- Evaluate the use of resources by human societies in mountain regions.

Program Outcomes

- Identify and describe a current geographic problem or inequity at a global or regional scale.
- Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 298 - Independent Study-Geography 1

Credits: 1-5

Permits students to individually pursue a special field of interest under the guidance of an instructor.

Enrollment Requirement: Instructor consent.

Program Outcomes

- Identify and describe a current geographic problem or inequity at a global or regional scale.
- Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

GEOG 299 - Independent Study-Geography 2

Credits: 1-5

Permits students to individually pursue a special field of interest under the guidance of an instructor.

Enrollment Requirement: Instructor consent.

Program Outcomes

Identify and describe a current geographic problem or inequity at a global or regional scale.

Identify and describe an individual action one can undertake to solve a current geographic problem or inequity.

Geology

GEOL& 101 - Introduction to Physical Geology

Credits: 5

Survey of the physical systems that give the Earth its form. Emphasizes the dynamic nature of interior and exterior processes and their relevance to humans. Laboratory class with field trips.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

Apply information presented during the lectures to the solutions of open-ended questions.

Identify common rocks and the processes which form them along with relative age history principles to discuss the history of a geological map.

Make observations (in class and on field trips) and correctly link those observations to information from the course.

Use a computer to analyze or obtain geological data.

Work effectively with peers in finding solutions to geological problems.

Program Outcomes

Produce written interpretations of earth science materials.

Make geological inferences from newly presented materials.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL 106 - Dinosaurs

Credits: 5

An introduction to the biology, behavior, evolution, and extinction of the dinosaurs and the ancient world they lived in. Examines the history of how dinosaurs have been studied and the ways that scientific ideas about dinosaurs have been formulated, tested, and changed over time. Includes the chance to examine fossils of dinosaurs, other prehistoric animals, and ancient plants.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Natural Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and explain the Scientific Method and the basic terminology, principles, concepts, and theories of geology, biology, and paleontology as they apply to the study of dinosaurs.

- Apply critical thinking, observations, and problem-solving skills (in class) to accurately describe fossil samples, and use these observations to make and support interpretations linked to information presented in the class.

- Illustrate a scientific understanding of the methods used to find and reconstruct dinosaur fossils and their environments, and of basic related scientific theories such as evolution.

- Examine the history of paleontology in order to explain how and why theories about dinosaurs have changed through time as well as how scientific information is presented in popular culture.

- Demonstrate the ability to work effectively with peers in making and supporting scientific interpretations.

Program Outcomes

- Produce written interpretations of earth science materials.

- Make geological inferences from newly presented materials.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL 107 - Fossils and Ancient Earth

Credits: 5

Introduces fossil animals, examines how life changed over geologic time, and discusses how dramatic changes in climates and other environmental conditions have impacted life on our planet. Topics covered include: how Earth formed and the first life evolved; how fossil and rocks form; patterns of extinction and evolution; and how fossils are used to reconstruct ancient geographic and environmental patterns.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and explain the Scientific Method and the basic terminology, principles, concepts, and theories of geology and biology, as they apply to the study of paleontology and ancient Earth environments.

- Apply critical thinking, observations, and problem-solving skills (in class) to accurately describe samples of fossil and modern organisms, and to use these observations to make and support interpretations linked to the information presented in the class.

- Illustrate a scientific understanding of the methods used to find and reconstruct fossils and their environments and of basic related scientific theories, such as evolution.

- Examine the ways in which geologic processes affected the history of life and the ways in which the evolution of life affected geologic processes.

- Demonstrate the ability to work effectively with peers in scientifically describing samples and supporting interpretations.

Program Outcomes

- Produce written interpretations of earth science materials.

- Make geological inferences from newly presented materials.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL 117 - Natural Disasters with Lab

Credits: 5

An in-depth examination of the science behind natural disasters. Examines the causes and impacts of natural disasters, including volcanic eruptions, earthquakes, tsunamis, landslides, floods, global climate change, and meteorite impacts. Presents case studies with emphasis on the relative risks and mitigation strategies used in the Pacific Northwest.

Enrollment Requirement: Eligible for ENGL& 101. **Recommended:** Eligible for MATH 97.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and explain the Scientific Method and the basic terminology, principles, concepts, and theories of geology as they apply to natural disasters.
- Apply critical thinking, observations, and problem-solving skills (in class and/or on field trips) to describe and assess potential risks of natural disasters, analyze the costs and benefits of potential solutions, and link such interpretations to information presented in class.
- Illustrate a scientific understanding of the causes, processes, and effects of geologic hazards, including earthquakes, volcanoes, tsunamis, flooding, mass wasting, climate change, and meteorite impacts.
- Analyze how natural hazards impact human societies and examine how human activities can increase the risks natural hazards.
- Demonstrate the ability to work effectively with peers in scientifically describing samples or images, supporting interpretations, and finding solutions to problems related to natural disasters.

Program Outcomes

- Produce written interpretations of earth science materials.
- Make geological inferences from newly presented materials.

College-wide Outcomes

- Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes

and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL 150 - Field Trips in Geology 1

Credits: 1

Investigates the geology of the Pacific Northwest. Locations of field trips vary from quarter to quarter. Some of the trips involve hiking up to three or four miles on variable terrain. This is a pass/no credit course.

Enrollment Requirement: Concurrent enrollment in GEOL, or GEOL& 101; or instructor consent. Eligible for ENGL& 101.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Record important geological information from various locations along the field trip.
- Develop skills to work effectively with peers in finding solutions to geological problems posed on field trips.

Program Outcomes

- Produce written interpretations of earth science materials.
- Make geological inferences from newly presented materials.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

GEOL 151 - Dinosaurs: Museum Field Trips in Geology

Credits: 1

Students learn about dinosaur biology, behavior, and the reasons behind their extinction. Students examine fossils of dinosaurs and other prehistoric animals during classroom discussions and students are guided through dinosaur exhibits at museums in the Puget Sound region. Students are responsible for any museum entry fees and transportation to and from museums. This is a pass/no credit course.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe fossil samples and use these observations to make and support interpretations linked to information presented in the class.
- Illustrate a scientific understanding of the methods used to reconstruct fossils animals and their environments.
- Develop skills to work effectively with peers in finding solutions to paleontological problems posed on field trips.

Program Outcomes

- Produce written interpretations of earth science materials.
- Make geological inferences from newly presented materials.

College-wide Outcomes

- Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

GEOL 152 - Field Trips in Geology 2

Credits: 1

Investigates the geology of the Pacific Northwest. Locations of field trips vary from quarter to quarter. Some of the trips involve hiking up to 3 or 4 miles on variable terrain. This is a pass/no credit course.

Enrollment Requirement: Concurrent enrollment in GEOL, or GEOL& 101, or instructor consent. Eligible for ENGL& 101.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Record important geological information from various locations along the field trip.
- Develop skills to work effectively with peers in finding solutions to geological problems posed on field trips.

Program Outcomes

- Produce written interpretations of earth science materials.
- Make geological inferences from newly presented materials.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

GEOL 153 - Field Trips in Geology 3

Credits: 1

Investigates the geology of the Pacific Northwest. Locations of field trips vary from quarter to quarter. Some of the trips involve hiking up to 3 or 4 miles on variable terrain. This is a pass/no credit course.

Enrollment Requirement: Concurrent enrollment in GEOL, or GEOL& 101, or instructor consent. Eligible for ENGL& 101.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Record important geological information from various locations along the field trip.
- Develop skills to work effectively with peers in finding solutions to geological problems posed on field trips.

Program Outcomes

- Produce written interpretations of earth science materials.
- Make geological inferences from newly presented materials.

College-wide Outcomes

Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

GEOL 200 - Geological Investigations of the National Parks

Credits: 5

An investigation of the geology of national parks of the U.S. and Canada. The primary emphasis is on the geology of the western park.

Enrollment Requirement: GEOL& 101 with a grade of 2.0 or higher; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify significant geological processes in the history of the National Parks discussed during class.

- Solve geological questions posed during class and on assignments.

- List the Geological Time Scale.

- Locate the National Parks discussed during class on a map of North America.

- Practice appropriate geological research skills and use standard geological writing format.

- Work effectively with peers in problems finding solutions to geological problems.

Program Outcomes

- Produce written interpretations of earth science materials.

- Make geological inferences from newly presented materials.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL 206 - Earth History

Credits: 5

A study of the geological theories of the evolution of the earth, the oceans, the atmospheres, and life. Includes principles of physical stratigraphy, biostratigraphy, geochronology, plate tectonics, fossil identification, and the paleogeographic changes in North America through time.

Enrollment Requirement: GEOL& 101 with a grade of 2.0 or higher; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$6.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify significant geological events and processes occurring throughout the history of the Earth and will be able to discuss their impact on the life forms at the time.

Discuss the geological/paleontological evidence for evolution.
Identify the major invertebrate fossil groups and know the geological time periods during which they were a major component.
Solve geological questions posed during class and on assignments.
List the Geological Time Scale.
Practice appropriate geological research skills and use standard geological writing format.
Work effectively with peers in problems finding solutions to geological problems.

Program Outcomes

Produce written interpretations of earth science materials.
Make geological inferences from newly presented materials.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL& 208 - Geology of the Pacific Northwest

Credits: 5

Covers the geological history of Washington, Oregon, and Idaho. Emphasizes the use of geologic principles in interpreting evidence found in landscapes and rocks. Includes field trips.

Enrollment Requirement: GEOL& 101 with a grade of 2.0 or higher; and eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

Records data and interprets field data about the geologic history of the Pacific Northwest.

Identify important geological events in the following regions of the Pacific Northwest: Northern Rockies, Okanogan Mountains and northeastern Washington, Columbia Basin, eastern Oregon, North Cascades, southern Washington Cascades, Oregon and northern California Cascades, Puget lowlands, San Juan Islands, and The Olympic Mountains and the Coast Range.

Correlates past geological events from one part of the Pacific Northwest to another.

Investigate a region or geologic process in the Pacific Northwest through library research or collection of data in the field.
Identifies common rocks of the Pacific Northwest.
Use the Geological Time Scale.

Program Outcomes

Produce written interpretations of earth science materials.
Make geological inferences from newly presented materials.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GEOL 299 - Independent Study-Geology

Credits: 1-5

Allows and encourages students to study independently in their special interest in geology. Course contents, type and scope of project are decided in conference between student and instructor.

Enrollment Requirement: GEOL& 101 with a grade of 2.0 or higher; and eligible for ENGL& 101.

Course Outcomes:

Students who successfully complete this class will be able to:
Complete goals the instructor determined for the specific student and for that quarter.

Program Outcomes

Produce written interpretations of earth science materials.
Make geological inferences from newly presented materials.

College-wide Outcomes

Critical Thinking - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

German

GERM& 121 - German I

Credits: 5

Introduces the systematic study of German with emphasis on speaking and listening. Includes basic grammar, vocabulary, reading, writing, and conversation practice.

Enrollment Requirement: No previous background in German, or no more than one year of high school German, or no more than two years of high school German with a grade of "C" average or less.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic proficiency four basic skills: listening, reading, speaking, and writing.
- Interpret and illustrate cultural concepts and historical background materials as occasion arises.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Written **Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

GERM& 122 - German II

Credits: 5

Continues the systematic study of the language using the four basic skills of listening, speaking, reading, and writing.

Enrollment Requirement: GERM& 121 or two years of high school German with a grade of "B" or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic proficiency four basic skills: listening, reading, speaking, and writing.
- Interpret and illustrate cultural concepts and historical background materials as occasion arises.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Written **Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

GERM& 123 - German III

Credits: 5

Introduces the systematic study of German with emphasis on speaking and listening. Includes basic grammar, vocabulary, reading, writing, and conversation practice. Fulfills University of Washington College of Arts and Sciences graduation requirements.

Enrollment Requirement: GERM& 122 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic proficiency four basic skills: listening, reading, speaking, and writing.
- Interpret and illustrate cultural concepts and historical background materials as occasion arises.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Written **Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

GERM 128 - German Life & Culture

Credits: 5

Explores various elements of culture in Germany and other German-speaking countries. Focuses on modern life in relation to cultural priorities, traditions, and popular culture. Features key cultural topics such as the arts, literature, food, innovation, and

sustainability. Analyzes the persisting differences between former East and West Germany post-reunification and its evolution into the modern-day crossroads of Europe. Examines Germany's changing social dynamics as influenced by its status as a primary destination for immigrants and refugees, both in recent times and in previous eras. Course instructed in English.

Enrollment Requirement: Eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compare and contrast traditional and modern German culture and society.
- Assess contributions of women in recent German history.
- Examine "Vergangenheitsbewältigung" or how Germans come to terms with their own history.
- Analyze popular works representing German culture in music, film, architecture, literature, and influential thinkers of the time.
- Identify differences in life between East and West Germany and the effects of German reunification.
- Demonstrate intercultural competence to work and/or live in a German-speaking country.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.
- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

GERM 194 - Special Studies-German

Credits: 1-5

Offers special subject matter that is not part of the regular German curriculum. Content varies depending upon requests from students or the opportunity to present unusual

topics.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Written **Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

GERM& 221 - German IV

Credits: 5

Systematic review of German grammar. Practice in listening, speaking, reading, and writing. Oral practice through scaffolded conversations and discussions of selected German texts.

Enrollment Requirement: GERM& 123 with a grade of 2.0 or higher or placement by language instructor; eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to use oral and written German in real life scenarios.
- Make comparisons and express opinions.
- Narrate events using the present and the past tenses.
- Examine texts in German from literature and media.
- Demonstrate knowledge of the historical and lingering impacts of World War 2 and the post-war era.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- Written **Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- Responsibility - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

GERM& 222 - German V

Credits: 5

Systematic review of German grammar. Practice in listening, speaking, reading, and writing at an intermediate level. Oral practice through scaffolded conversations and discussions of selected German texts and media.

Enrollment Requirement: GERM& 221 with a grade of 2.0 or higher or placement by a language instructor; eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the historical and lingering impacts of Cold War and reunification.
- Improve oral and written fluency by using conjunctions and relative clauses.
- Analyze texts in German from literature and media.
- Use the hypothetical in all tenses.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

GERM& 223 - German VI

Credits: 5

Systematic review of German grammar aimed at an upper intermediate level. Intensive practice in listening, speaking, reading, and writing with special emphasis on reading and reacting to texts and media in German.

Enrollment Requirement: GERM& 222 with a 2.0 or higher or instructor approval; eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine historical events that have spurred immigration to and away from Germany and how that has shaped modern German identity
- Use reported speech to explain past events in formal situations.
- Make predictions and set goals using subjunctive and future perfect.
- Use the genitive case.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Health**HEALTH 102 - Fundamentals of Healthcare and the Human Body**

Credits: 5

Covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Introduces common human disease processes and general medical terminology. Includes an introduction to the foundational skills necessary to work in healthcare including critical thinking, communication, legal and ethical responsibilities, safety, and professional development. Previously HEALTH 101.

Enrollment Requirement: Instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the organization of the human body, role of genetics, lifestyle and aging in health.
- Explain growth and development across the lifespan.
- Explain the large organ system and the basic anatomy and physiology of common diseases and disabilities.
- Demonstrate basic professional communication skills needed to work effectively with supervisors, fellow staff members and patients/clients.

- Identify responsibilities relative to legal issues, which include patient client confidentiality and HIPAA compliance.
- Demonstrate an awareness of different cultural health practices and the importance of respecting a variety of cultural beliefs in the workplace.
- Demonstrate the healthcare worker's role and responsibilities regarding ethics, legal obligations, and abuse laws.
- Demonstrate basic medical math skills and describe the necessity for accuracy with medication calculations and dosages.
- Define social determinants of health and vulnerable populations.
- Define the importance of advocacy for the populations we care for within the scope of practice.

Program Outcomes

- Demonstrate problem solving, critical thinking approaches utilized in patient care settings.
- Use ethical principles in practice, conduct, and relationships with patients, staff, and families.
- Identify with the values of the profession and incorporate them into practice.
- Promote a positive public image of nursing assistant as a positive role model.
- Utilize communication skills to establish and maintain a therapeutic relationship with patients, families, and staff.
- Execute competencies required for beginning practice as a nursing assistant.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HEALTH 104 - Safety, Basic Life Support and Infection Control

Credits: 2

Education and training for health care providers on workplace safety, infection control measures, and cardiopulmonary resuscitation (CPR). Students learn about healthcare-acquired infections and other serious infections from a variety of microorganisms and learn how to protect themselves and others from these infections. Students learn theory and practice of infant, child, and adult CPR, automated external defibrillation (AED), and bag-mask valve techniques for individuals who are responsible for delivering emergency care. CPR is taught according to American Heart Association guidelines for Health Care Providers. An American Heart Association Health Care Provider card will be awarded upon successful completion of the course. Previously HEALTH 127.

Enrollment Requirement: Instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the signs, symptoms, and chain of survival of heart and brain attack.
- Describe the chain of infection and apply the chain of infection model to various infectious pathogens.
- State the precautions healthcare workers use to prevent transmission of blood-borne pathogens, airborne pathogens, aerosol pathogens, and contact pathogens.
- Identify risk factors and clinical manifestations for specific serious infectious pathogens such as HIV/AIDS, Hepatitis B & C, tuberculosis, influenza, MRSA, C. diff and COVID-19.
- Critically explore the importance of vaccination programs and proper antibiotic stewardship in healthcare.
- Demonstrate proper CPR techniques and understanding of signs and symptoms of cardiac attack.

Program Outcomes

- Demonstrate problem solving, critical thinking approaches utilized in patient care settings.
- Use ethical principles in practice, conduct, and relationships with patients, staff, and families.
- Identify with the values of the profession and incorporate them into practice.
- Promote a positive public image of nursing assistant as a positive role model.
- Utilize communication skills to establish and maintain a therapeutic relationship with patients, families, and staff.
- Execute competencies required for beginning practice as a nursing assistant.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Health Education

HL ED 150 - Total Wellness

Credits: 5

Explores wellness and provides students with the information necessary to make informed choices and decisions regarding physical activity, diet/weight control, nutrition, death and dying, recognizing and reducing stress, relaxation techniques, relationships, environmental issues, and risk factors for disease. Taught by a team of instructors.

Course Fee: \$2.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an enhanced awareness of the relationship between lifestyle behaviors and disease.
- Define the various components of wellness.
- Recognize and define the impacts of stress, nutrition and exercise on overall health and wellness.
- Develop strategies to manage their stress, improve nutrition, and incorporate exercise into their daily lives.
- Recognize and define the impact of behavior and lifestyle habits on cardiovascular health, cancer, and sexually transmitted diseases.
- Develop strategies to reduce their risk of cardiovascular disease, cancer and sexually transmitted diseases.
- Demonstrate an enhanced understanding of death and dying including personal wishes/values, expenses, preparation, media influence, and perspective.
- Evaluate their personal health and wellness.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

HL ED 180 - Food and Health

Credits: 3

Explores diet and its relationship to the health and vitality of the individual. Provides practical information necessary for evaluating nutritional needs, obtaining essential nutrients, gaining strategies for improving dietary intake, practicing food safety, and understanding food labeling. Also focuses on diet and weight control, body image, and eating disorders, along with diet and disease.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an enhanced awareness of the relationship between food and health.
- Understand the recommended intake and function of specific nutrients such as carbohydrates, proteins, fats, vitamins, minerals and water.
- Define how nutrition impacts weight status, eating disorders, body image, and lifestyle risk factors for chronic disease such as diabetes, heart disease and stroke, and cancer.
- Identify lifestyle risk factors for chronic disease such as osteoporosis, diabetes, cardiovascular disease and cancer.
- Develop strategies to reduce their risk of chronic disease such as osteoporosis, diabetes, heart disease and stroke.
- Track and analyze their dietary intake.
- Evaluate their personal health.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

HL ED 190 - Standard First Aid/CPR

Credits: 3

American Red Cross requirement for First Aid and CPR certification may be met. Covers adult, child, and infant first aid, CPR, rescue breathing, medical emergencies, bandaging, splinting and transporting.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply American Red Cross First Aid and personal safety procedures for infants, children and adults.
- Recognize emergencies and prevent accidents.
- Deal more efficiently with emergency situations.
- Practice and develop skill in checking a victim.
- Practice and develop skill in rescue breathing.
- Practice and develop skill in aiding a choking victim.
- Practice and develop skill in CPR.
- Practice and develop skill in splinting and bandaging a victim.
- Practice and develop skill in moving/transporting victims.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

HL ED 198 - Independent Study-Health

Credits: 3

For any student wishing to develop a basic knowledge in health when there is no offering in the regular curriculum.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an enhanced awareness of various components of health/wellness.
- Increase knowledge in and understanding of various components of health/wellness.
- Develop strategies to reduce their risk of chronic disease such as osteoporosis, diabetes, heart disease, stroke or cancer.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Health Science

H SCI 110 - Exploring Healthcare Careers

Credits: 3

Explores career options in the healthcare field. Covers qualities of the health care worker, how to prepare for a career in health care, cultural issues in health care, and an overview of the many health care career options.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the personal characteristics necessary to be an effective health care worker.
- Describe the responsibilities of the different health care careers.
- Compare and contrast the following factors among professions: educational requirements, employment trends, opportunities for advancement, salary potential, career ladders.

- Identify the professionals who do similar tasks or have similar responsibilities.
- Discuss the impact of culture on health care.
- Describe the life-span perspective as it relates to health care.
- Identify the steps necessary to prepare for a career in health care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

H SCI 112 - Introduction to Healthcare Skills and Functions

Credits: 2

Students are instructed in general patient care basics including infection control and measuring vital signs, body mechanics and transfers along with professional behavior and awareness. Students also earn CPR/First Aid for healthcare professionals and HIV/AIDS certification and HIPAA certificates upon completion of the course.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic professional communication skills needed to work effectively with supervisors, fellow staff members and patients/ clients.
- Identify responsibilities relative to legal issues, which include patient client confidentiality and HIPAA compliance.
- Demonstrate an awareness of different cultural health practice and the importance of respecting a variety of cultural beliefs in the workplace.
- Demonstrate good hand washing skills and donning and doffing gloves for knowledge of universal precautions and blood borne pathogens.
- Demonstrate basic ability to accurately measure and record vital signs, which include pulse, blood pressure, body temperature and respiration.
- Describe and demonstrate the principles of correct body mechanics.
- Demonstrate the ability to perform and assist with turning and repositioning of patients.
- Demonstrate the ability to perform and assist with transfers.
- Earn mandatory 7-hour HIV/Aids certification.

- Earn certified CPR/First aid for Healthcare Professionals card/certificate.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

H SCI 113 - Introduction to Anatomy and Physiology

Credits: 3

Covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Introduces common human disease processes and general medical terminology. Prepare students to take advanced anatomy and physiology courses.

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the organization of the human body, role of genetics, lifestyle and aging in health.
- Understand the growth and development across the lifespan.
- Understand the large organ system and the basic anatomy and physiology and diseases.
- Understand common physical and mental disabilities.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

High School Completion

HSC 25 - Civics and Government

Credits: 3-5

Introduces students to the American political system; its core values and principles as set forth in foundational documents, as well as its origins, institutions and operations. Includes brief treatments of political parties, historic development of American politics, civil liberties, plus taxes and budgets. Introduces students to the rights and

responsibilities of citizenship and of democratic civic involvement.

Enrollment Requirement: Eligible for ENGL 97; or TS 75; or instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand and be able to explain the core values and principles of U.S. democracy as set forth in foundational documents, including the Declaration of Independence and the Constitution; analyze the purposes and organization of governments and laws; understand the rights and responsibilities of citizenship and the principles of democratic civic involvement, and; understand basic economic concepts and analyze the effect of economic systems on individuals, groups, and society.
- Civics and Government addresses the examining diversity outcome, which encompasses the knowledge, attitudes and skills necessary for students to understand power; to function responsibly in a diverse, global society; and to gain a critical awareness of the social construction of race, ethnicity, gender, class, sexual orientation, disability, culture, religion, and age ' in local, national and global contexts.
- Recognize one's social position and geopolitical location, along with the consequences of both.
- Examine economic, political, and social inequalities and their effects on communities.
- Analyze the multiple histories, cultures, perspectives, contributions and/or struggles of various peoples, and.
- Collaborate and interact effectively, equitably and respectfully in diverse groups within the classroom or campus-related workplaces and practice areas.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

HSC 97 - High School Completion World Languages PLA

Credits: 5-20

This course awards prior learning credit for high school World Languages based on student's ability to demonstrate competency via assessment. This is a pass/no credit

course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate at least novice mid-level of proficiency in World Language communication skills (listening, speaking, reading, and writing) determined through the guidelines set up by the American Council on the Teaching of Foreign Languages (ACTFL).

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

History

HIST 21 - U.S. History 1

Credits: 5

Covers U.S. history from pre-Colombian times through Reconstruction. Explores topics in political, economic, social, intellectual, cultural, diplomatic and military history.

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain considerable knowledge of issues, groups and personalities in U.S. history through (a) reading good historical literature, (b) researching topics of current and historical interest, (c) observing the national experience through films, video and other media, (d) discussing reading and findings, and (e) writing papers to refine readings, research, and discussions.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 22 - U.S. History 2

Credits: 5

Covers U.S. History from Reconstruction to contemporary times. Explores topics in political, economic, social, intellectual, cultural, diplomatic and military history.

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain considerable knowledge of issues, groups and personalities in U.S. history through (a) reading good historical literature, (b) researching topics of current and historical interest, (c) observing the national experience through films, video and other media, (d) discussing reading and findings, and (e) writing papers to refine readings, research, and discussions.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 24 - Pacific Northwest and Washington State History

Credits: 5

Examines the emergence of the modern Pacific Northwest beginning with the earliest geological creation of the region and continuing with Native American habitation, contact with Euro-Americans, the development of trade and early settlement, the development of an industrial economy, the cycle of 20th century wars and depression, and the post-

World War II emergence of the Pacific Northwest.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop an understanding of the environmental, political, social, and economic issues that have led to the creation of the modern Pacific Northwest.
- Read important historical literature and documents to enhance their understanding of the region.
- Explore topics of current and historical interest in the region.
- Observe regional and local conditions in the historic and modern PNW through personal observation.
- Write short papers and essay exams to refine their understanding of readings, observations, and field experiences.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 120 - History of the Movies

Credits: 5

Examines the emergence of movies as a form of popular culture during the early decades of the 20th century, traces their development through the introduction of sound and color, the competition with the new medium of television, and concludes with the movie's emergence as a pervasive world culture at the beginning of the 21st century.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and describe basic film terminology.

- Identify and describe basic film techniques and styles.
- Identify and describe key attributes of American film movements by thematic, visual, and aural traits.
- Describe and analyze the economic, social, and political factors that shape major film/film movements.
- Analyze significant films within their historical and cultural contexts through technological advances of motion pictures throughout history.

Program Outcomes

- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 122 - History of Australian Movies

Credits: 5

Examines the emergence of a unique Australian cinema during the early decades of the 20th century, the struggle to maintain independence from the Hollywood and British film industry, and the development of an internationally recognized Australian style in the later decades of the 20th century.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the historical development of the film industry in Australia.
- Identify and provide examples of a uniquely Australian cinema.
- Critically and aesthetically evaluate Australian cinema within the context of Australian film, Hollywood films, and World Cinema.
- Place specific Australian films within the historical context of the development of a unique Australian cinema.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 126 - World Civilizations I

Credits: 5

Introduces the major world civilizations from pre-history through the medieval epoch, approximately 1300. Emphasizes socio-political formations, cultural and religious expressions of Mesopotamia, Egypt, India, Asia, Africa, and Europe. Previously HIST 101.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify, describe and compare human settlement and the emergence of civilizations.
- Analyze and compare ancient urban development, including architecture and public works.
- Analyze and compare the various forms of ancient socio-political groupings.
- Describe, analyze and compare the major ancient world religious expressions/philosophies.
- Describe and evaluate basic patterns of war, conquest, and empire.

Program Outcomes

- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 127 - World Civilizations II

Credits: 5

Introduces the major world civilizations from the medieval to the modern epoch, approximately 1800. Emphasizes the Renaissance and Reformation, Age of Science and Enlightenment, Colonial and Trans-Atlantic Age, Age of Revolution, Ming and Qing China, and Age of Empire in the Middle East. Previously HIST 102.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze and synthesize traditional and early modern folk practices, religious beliefs and challenges of the period 1350-1800.
- Describe scientific innovation and economic expansion 1350-1800.
- Describe, compare and contrast distinctive global regional cultures.
- Describe, analyze and evaluate contact between regional powers.

Program Outcomes

- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 128 - World Civilizations III

Credits: 5

Introduces world history in the 19th and 20th centuries. Themes include industrialization, cultural revolutions, political modernization, colonialism and decolonization, world wars, Cold War, globalization, terrorism, and other contemporary problems. Previously HIST 103.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe, analyze, and compare revolutions of modernization, basic political ideologies of liberalism, socialism, communism, conservatism, and fascism.
- Describe and evaluate social change in relation to industry and technology.
- Compare and contrast patterns of imperialism, decolonization, and nationalism.
- Describe, analyze, and interpret the causes and consequences of World Wars.
- Describe, analyze, and assess global politics and economics of development; multi-culturalism vs mass culture; and global urbanization and environmental concerns.

Program Outcomes

Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 135 - The United States Since 1940

Credits: 5

Surveys U.S. history since 1940. Explores topics in social, cultural, intellectual, economic, political, military and foreign affairs history. Studies the contributions of minorities and women to U.S. history.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain and analyze the U.S. role in World War II and the significant attitudes about U.S. power that emerged from the victory.
- Understand and compare major interpretations of the Cold War including its origins, key events, and demise.
- Understand the principal social, economic, cultural, political, and intellectual changes that define the period under study.

- Identify and describe the major political events and leading personalities that helped to shape the contemporary United States.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 136 - U.S. History I

Credits: 5

First quarter survey of U.S. history commencing with Native American origins and concluding with Reconstruction. Emphasizes the contributions of minority groups in the development of U.S. society. Focuses on major interpretations and revisionist schools of historical literature.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the major ideas, values, beliefs, and experiences that shaped colonial and 19th century American history and society.
- Understand the relationship between the individual and the politics, economics, society, and culture of America.
- Understand the methods by which historians study individuals, cultures, and society.
- Better understand the basis for political, racial, societal, and economic issues in contemporary America.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 137 - U.S. History II

Credits: 5

Second quarter survey of U.S. history, commencing in 1877 and ending with contemporary affairs. Emphasizes the contributions of minority groups to the development of American society. Focuses on major interpretations and revisionist schools of historical literature.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the major ideas, values, beliefs, and experiences that shaped 19th-century American history and society to the present.
- Understand the relationship between the individual and the politics, economics, society, and culture of America.
- Understand the methods by which historians study individuals, cultures, and society.
- Understand the basis for political, racial, societal, and economic issues in contemporary America.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 194 - Special Topics - History

Credits: 1-5

An in-depth study of specific topics in history or direct involvement in a historically oriented project. May be in a seminar format, research focused or service learning.

Course Outcomes:

Students who successfully complete this class will be able to:

- Achieve an in-depth understanding of a specific topic or area of history.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 214 - Pacific Northwest History

Credits: 5

Examines the emergence of the modern Pacific Northwest beginning with the earliest geological creation of the region and continuing with Native American habitation, contact with Euro-Americans, the development of trade and early settlement, the development of an industrial economy, the cycle of 20th century wars and depression, and the post-World War II emergence of the Pacific Northwest.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and compare how different nations colonized the Pacific Northwest and the relationships that formed between Native Peoples and those nations.
- Explain how, when, and why the Pacific Northwest developed from a resource-based economy, to an industrial, to a post-industrial economy.
- Describe and explain the historical factors that created the social, political, and economic variation that exists within the contemporary Northwest.
- Describe and explain how and why the relationship between people and the natural environment of the Pacific Northwest has changed over time.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 215 - Women in U.S. History

Credits: 5

A survey of women's lives and gender systems in US history from the Civil War to the present. Explores topics from women's participation in politics, social roles, labor and family history. Course focuses on diverse experiences based on race, social class, sexual orientation and religion.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and describe gender as an analytic category in the study of US History to the present, including historical phenomena such as the construction of gender roles (feminine and masculine), religious beliefs and practices, race, social class, and sexual identities.
- Identify and explain the major contours of women's history in the US up to the present in regard to matters such as: family life, reproduction and health, sex and sexuality, race and ethnicity, education, labor, politics, and religion.
- Demonstrate knowledge of how women helped shape and were shaped by major historical episodes in US History such as the American Revolution, Civil War, Reconstruction, Progressive Age, economic depressions and world wars, cultural and racial upheavals of the 50s and 60s to present.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST& 220 – African American History

Credits: 5

A broad survey of African American history. Begins with an overview of West African cultures prior to the rise of the slave trade and ends with a discussion of modern events. Topics include the rise of slavery in the Americas, the origin and development of American ideas about race, the formation of an African American culture, the Civil War and emancipation, the era of Jim Crow, and the struggle for civil rights from the 18th century to the present. Explores various interpretations and theoretical ideas about African American history. Shows that African American history is central to U.S. history. Previously HIST 224.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the main themes and events in African American history.
- Understand that African American history is central to the American experience and the development of U.S. history.
- Examine how ideas and definitions of race originated and have developed throughout U.S. history.
- Understand how and why interpretations of African American culture have changed over time.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 228 - Latinos in the United States

Credits: 5

Examines the historical, social and economic experience of Latinos in the United States. Begins with the Spanish borderlands in the 16th century and ends with contemporary affairs. Explores the histories of Mexicans, Puerto Ricans, Cubans, Dominicans and Central Americans in the United States within the context of U.S. relations with the countries of origin and changes over time in the U.S. society and economy. Assesses the historical construction of race and ethnicity, gender, and the changing forms of identity.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Assess the historical construction of race and ethnicity, gender and changing forms of identity among Latinos/as/x in the United States.
- Explore the history of Latinos/as/x immigration within the context of U. S. relations with the countries of origin.
- Examine the process of Latino/a/x immigrants becoming Americans.
- Explore the diversity of Latino/a/x communities in the United States.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 230 - Modern Europe

Credits: 5

Offers a broad survey of European history in the twentieth century. Covers events such as World War I; the Bolshevik Revolution and the ensuing Soviet experiment; the Spanish Civil War; Nazism, World War II, and the Holocaust; the post-colonial legacy; the Cold War in Europe; the collapse of communism; and the Balkan Wars in the 1990's. Focuses on primary documents, including memoirs, novels, political manifestos, and government and other official documents. Includes Model European Parliament, Model United Nations, and/or Model International Court of Justice.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain how and why various groups, including communists and fascists, undermined parliamentary democracy through the establishment of regimes that maintained dictatorial control while manipulating democratic processes.
- Explain how new ideas of political authority and the failure of diplomacy led to world wars, political revolutions, and the establishment of totalitarian regimes.
- Assess the role of European colonization and de-colonization in non-European societies from both European and non-European perspectives.
- Evaluate the role of nationalism in altering the European balance of power, and explain attempts made to limit nationalism as a means to ensure continental stability.

- Analyze the origins, characteristics, and effects of the post-WWII economic, political and judicial integration of Europe.
- Trace the changing relationship between states and ecclesiastical authority and the emergence of the principle and practice of religious toleration.
- Analyze how various movements for political and social equality - such as feminism, anticolonialism, and campaigns for immigrants' rights - pressured governments and redefined national citizenship.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 231 - Modern Asia

Credits: 5

Deals with the historical factors that shaped the domestic and international relations of China, Japan, and Korea. Focuses on the evolution of political and economic power of those countries from 1850 to the present. Gives attention to the role of religious and philosophical backgrounds and to the changes that occurred in the economic, social and political structures of these societies.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the broad political history of Modern Asia, including imperialism, nationalism and modernization.
- Describe relations between Asian cultures and nations and explain how new ideas of political authority, ideology and nationalism led to war and peace.
- Describe and evaluate the process, successes and challenges of postcolonial development.

- Analyze how various movements for political and social equality - such as anticolonialism, and immigrants' rights, for examples - pressured governments and redefined national citizenship.
- Describe major cultural movements of Modern Asia.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

HIST 233 - History of Latin America

Credits: 5

Surveys the history of Latin America from its indigenous, Iberian, and African roots through contemporary affairs. Assesses the historical construction of racial, class, and gender inequalities. Emphasizes the historical diversity of the region and examines common social, economic and political problems.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Examine indigenous, Iberian and African societies and cultures before the age of conquest.
- Assess the social, political, cultural and economic consequences of the European conquest.
- Examine the construction of racial, class, and gender inequalities that emerged from pre-colonial and colonial times and their impact on the lives of Latin Americans.
- Examine the struggle to create nations in the nineteenth century and the pervasiveness of social inequality.
- Explore popular mobilization and social revolution against neocolonial social hierarchies.
- Assess the impact of neoliberalism on contemporary Latin America.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 237 - History of Australia and New Zealand

Credits: 5

Examines the history of the Australasian nations of Australia and New Zealand from the first human inhabitation of Australia some 60,000 years ago and the Maori settlement of New Zealand some 900 years ago through the long and often difficult processes of becoming the modern island nations of Australia and New Zealand. Gives attention to the various groups who have migrated to Australasia, the European exploration and colonization of the area, the development of settlements and colonial governments, the move to nationhood in the late 19th century, and the emergence of the modern nations of Australia and New Zealand in the 20th century

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the historical development of Australia and New Zealand as island nations.
- Identify and recognize events that are uniquely Australian and New Zealand.
- Place Australian and New Zealand history within the larger context of World and Regional history.
- Critically and aesthetically evaluate the development of uniquely Australian and New Zealand culture.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

HIST 240 - The Civil War

Credits: 5

Studies the events and conditions leading to the Civil War, the conflict itself, and the war's legacy. Begins with a review of the roots of slavery in the British colonies, the consolidation of slavery as a major institution, and its increasing influence in the polarization of the young republic. Examines a number of important developments such as the Missouri Compromise, Manifest Destiny, the divisive events of the 1850s, the election of Abraham Lincoln, the constitutional crisis and secession, the Confederacy and Unions political, economic, and military strategies, the reality of total war, the military campaigns and decisive battles. Concludes with an examination of the legacy of conflict.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the major causes of the Civil War.
- Understand the history of slavery in the United States.
- Understand the key phases of the conflict and their significance.
- Understand the main constitutional questions raised by the war and its aftermath.
- Understand the era of Reconstruction.
- Understand various historical interpretations of the Civil War and its legacy.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

HIST 250 - The Vietnam War

Credits: 5

Traces the background of the Vietnam War to the eventual direct involvement of the United States, Russia and China in the revolt of the Vietnamese against French colonialism in Indo-China. A major portion of the course deals with the period from the defeat of the French at Dienbienphu in 1954 to the defeat of South Vietnam by the North in April 1975. Examines recent historical interpretations and debates over the war.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the geographical and cultural complexity within the region.
- Learn both short- and long-range cause and effect of the historical forces at work upon the Vietnamese in particular.
- Learn the cause and effect of the first and second Vietnam War.
- Learn the sequence of major historical events during the wars.
- Study various historical interpretations of the war and the debate over legacies of the wars.

Program Outcomes

- Analyze how historical developments have various effects on people based on one or more of the following areas: geographical location, race, ethnicity, cultural traditions, gender and class.
- Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work

products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Humanities

HUMAN 110 - Background for the Humanities

Credits: 5

Study of the common language of the arts and humanities and their relationship to the societies in which they were created. Includes the study of critical concepts and vocabulary, as well as common motifs and elements in the humanities. Also includes the study of the relationship between arts and humanities of a culture and that culture's economic, political and technological environment.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Know the sources to find material for understanding artistic works and other areas of the humanities.
- Acquire factual background information through a study of critical terms.
- Understand relationship within the arts and other humanities.
- Apply above knowledge to specific works.

Program Outcomes

- Demonstrate intellectual humility in forming and defending their own beliefs while being respectful of the views of others.
- Systematically formulate, develop, and defend non-trivial answers to philosophical questions by applying rational standards.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

HUMAN 133 - People, Language and Culture

Credits: 5

Examines the relationship between people, language and culture, in particular how the language of a national or ethnic group provides a key to understanding the people who speak that language. Explores the fundamentals of cross-linguistic writing systems and language change. Pulls from the disciplines of linguistics, literature, religion, mythology, art, music and /or history as a basis to study modern people, language and culture.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the global relationship between people, language and culture.
- Identify the cross-linguistic connection of the world's languages.
- Examine some of the differences among the world's peoples, languages and cultures.
- Relate oneself to languages and cultures of the world in a multicultural context.
- Discuss global writing systems and the process they have undergone to produce modern systems.
- Express viewpoints that demonstrate growth in intercultural competence.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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HUMAN 160 - Introduction to Gender Studies

Credits: 5

Examines theoretical concepts and themes of gender through the lens of the Humanities (including literature, philosophy, film, communication studies, and popular culture, among other subjects). Course synthesizes historical and social analyses into inquiry about the human experience and expression of gender. Course specifically examines issues such as language, media's treatment of gender, and gender and power, relating each of these to the formation of our gendered and human identities.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to sex, gender, and sexuality.
- Identify the influence of sex, gender, and sexuality on identity, language, communication (both verbal and nonverbal), values, media, power, and violence.
- State and evaluate non-trivial theories and arguments related to sex, gender, and sexuality.
- Recognize the dominance of Essentialist/Biological philosophical perspectives.
- Evaluate the suppression or denigration of identities which are intersectional, multiple, and fluid.

Program Outcomes

- Demonstrate intellectual humility in forming and defending their own beliefs while being respectful of the views of others.
- Systematically formulate, develop, and defend non-trivial answers to philosophical questions by applying rational standards.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Integrated Basic Education and Skills Training

IBEST 2 - Introduction to Careers for ELL 2

Credits: 3-15

Provides an introduction for students interested in participating in an IBEST. Allows students to learn about each IBEST program and its' requirements. Gives students the necessary information to choose a program, while teaching the students study skills, employability skills, and improve their English in reading, writing, listening, and speaking. This is a pass/no credit course.

Enrollment Requirement: ELL 10 or appropriate CASAS score; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer questions about key details in a text related to I-BEST as well as identify the main topic and retell those key details.
- Describe the connection between two events, ideas, or pieces of information in a text.
- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- Use various text features, illustrations and details to locate and describe key facts or information in a text.
- Write informative/explanatory texts in which they name a topic related to I-BEST, supply some facts about the topic, and provide some sense of closure.
- Write short narratives in which they include some details about their work history, education and future goals, and they will use a variety of digital tools to produce and publish writing, including in collaboration with peers.
- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- Describe people, places, things, and events related to I-BEST with relevant details, expressing ideas and feelings clearly.
- Speak audibly and express thoughts, feelings, and ideas with increasing clarity.
- Use self-awareness and workplace skills to make decisions, work in teams, problem solve and present information.

Program Outcomes

Utilize language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 3 - Introduction to Careers for ELL 3

Credits: 3-15

Provides an introduction for ELL level 3 students interested in participating in an IBEST. Allows students to learn about each IBEST program and its requirements. Gives students the necessary information to choose a program, while teaching the students study skills, employability skills, and improve their English in reading, writing, listening, and speaking. This is a pass/no credit course.

Enrollment Requirement: ELL 20 or appropriate CASAS score; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer questions about key details in a text related to I-BEST as well as identify the main topic and retell those key details.
- Describe with support the connection between two events, ideas, or pieces of information in a text.
- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- Use various text features, illustrations and details to locate and describe key facts or information in a text.
- Write informative/explanatory texts in which they name a topic related to I-BEST, supply some facts about the topic, and provide some sense of closure.
- Write short narratives in which they include some details about their work history, education and future goals, and they will use a variety of digital tools to produce and publish writing, including in collaboration with peers.
- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- Describe people, places, things, and events related to I-BEST with relevant details, expressing ideas and feelings clearly.
- Speak audibly and express thoughts, feelings, and ideas with increasing clarity.
- Use self-awareness and workplace skills to make decisions, work in teams, problem solve and present information.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 4 - Introduction to Careers for ELL 4

Credits: 3-15

Provides an introduction for ELL Level 4 students interested in participating in an IBEST. Allows students to learn about each IBEST program and its requirements. Gives students the necessary information to choose a program, while teaching the students study skills, employability skills, and improve their English in reading, writing, listening, and speaking. This is a pass/no credit course.

Enrollment Requirement: ELL 20 or appropriate CASAS score; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer questions about key details in a text related to I-BEST as well as identify the main topic and retell those key details.
- Describe using support the connection between two events, ideas, or pieces of information in a text.
- Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- Use various text features, illustrations and details to locate and describe key facts or information in a text.
- Write informative/explanatory texts in which they name a topic related to I-BEST, supply some facts about the topic, and provide some sense of closure.
- Write narratives in which they include some details about their work history, education and future goals, and they will use a variety of digital tools to produce and publish writing, including in collaboration with peers.
- Ask and answer questions in order to seek help, get information, or clarify something that is not understood.
- Describe people, places, things, and events related to I-BEST with relevant details, expressing ideas and feelings clearly.
- Speak audibly and express thoughts, feelings, and ideas with increasing clarity.
- Use self-awareness and workplace skills to make decisions, work in teams, problem solve and present information.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 32 - Early Childhood Education Success for ELL 5

Credits: 3-10

A transitional studies course taught in the IBEST option for ECE where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in an ECE text when explaining what the text says explicitly and when drawing inferences from the text.
- Determine the main idea of written course materials for ECE recount the key details and explain how they support the main idea; summarize the text.
- Determine the meaning of general academic and domain-specific words and phrases in an ECE text.
- Write informative/explanatory texts to examine a topic regarding child development and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.
- Gather information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Verbally report on an assigned topic or text with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 33 - Early Childhood Education Success for ELL 6

Credits: 3-10

A transitional studies course taught in the IBEST option for ECE where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite several pieces of textual evidence from ECE text to support analysis of what the text says explicitly as well as inferences from the text.
- Determine the central idea of written course materials for ECE, provide summary of the text distinct from personal opinions or judgments.
- Determine the meaning of words and phrases as they are used in an ECE text.
- Write informative/explanatory texts to examine a topic about childhood development, health, and safety and convey ideas and information through the selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting , or trying a new approach focusing on how well purpose and audience have been addressed.
- Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others.
- Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present claims and findings emphasizing salient points in a focused, coherent manner with relevant evidence, valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.
- Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 35 - Early Childhood Education Success for TS 3

Credits: 3-10

A transitional studies course taught in the IBEST option for ECE where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in an ECE text when explaining what the text says explicitly and when drawing inferences from the text.
- Determine the main idea of written course materials for ECE recount the key details and explain how they support the main idea; summarize the text.
- Determine the meaning of general academic and domain-specific words and phrases in an ECE text.
- Write informative/explanatory texts to examine a topic regarding child development and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.
- Gather information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.

- Verbally report on an assigned topic or text with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 36 - Early Childhood Education Success for TS 4

Credits: 3-10

A transitional studies course taught in the IBEST option for ECE where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite several pieces of textual evidence from ECE text to support analysis of what the text says explicitly as well as inferences from the text.
- Determine the central idea of written course materials for ECE, provide summary of the text distinct from personal opinions or judgments.
- Determine the meaning of words and phrases as they are used in an ECE text.
- Write informative/explanatory texts to examine a topic about childhood development, health, and safety and convey ideas and information through the selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach focusing on how well purpose and audience have been addressed.
- Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others.

- Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present claims and findings emphasizing salient points in a focused, coherent manner with relevant evidence, valid reasoning, and well-chosen details; use appropriate eye contact, adequate volume, and clear pronunciation.
- Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 37 - Early Childhood Education Success for TS 5

Credits: 3-10

A transitional studies course taught in the IBEST option for ECE where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the ECE text says explicitly as well as inferences drawn from the text.
- Determine the central idea of written course materials for ECE; provide an objective summary of the text.
- Determine the meaning of words and phrases as they are used in an ECE text.

- Write informative/explanatory texts to examine and convey complex ideas and information about child development, health, and safety clearly and accurately through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibility and dynamically.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 38 - Early Childhood Education Success for TS 6

Credits: 3-10

A transitional studies course taught in the IBEST option for ECE where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the ECE text says explicitly as well as inferences drawn from the text.
- Determine the central idea of written course materials for ECE; provide an objective summary of the text.
- Determine the meaning of words and phrases as they are used in an ECE text.
- Write informative/explanatory texts to examine and convey complex ideas and information about child development, health, and safety clearly and accurately through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.

Program Outcomes

Demonstrate the language, math, and soft skills to move ahead in college and land high-demand, living wage jobs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 43 - BTAC Success for ELL 6

Credits: 3-10

A transitional studies course taught in the IBEST option for BTAC where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite several pieces of textual evidence from BTAC text to support analysis of what the text says explicitly as well as inferences from the text.
- Determine the central idea of written course materials for BTAC; provide summary of the text distinct from personal opinions or judgments.
- Determine the meaning of words and phrases as they are used in a BTAC text. Write informative/explanatory texts to examine a topic and convey ideas and information through the selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach focusing on how well purpose and audience have been addressed.
- Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others.
- Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present claims and findings emphasizing salient points in a focused, coherent manner with relevant evidence, valid reasoning, and well-chosen details.
- Use appropriate eye contact, adequate volume, and clear pronunciation.
- Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.
- Identify relevant mathematical resources, such as a calculator or digital content located on a website, and use them to pose or solve problems.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 46 - BTAC Success for TS 4

Credits: 3-10

A transitional studies course taught in the IBEST option for BTAC where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite several pieces of textual evidence from BTAC text to support analysis of what the text says explicitly as well as inferences from the text.
- Determine the central idea of written course materials for BTAC; provide summary of the text distinct from personal opinions or judgments.
- Determine the meaning of words and phrases as they are used in a BTAC text.
- Write informative/explanatory texts to examine a topic and convey ideas and information through the selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach focusing on how well purpose and audience have been addressed.
- Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others.

- Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present claims and findings emphasizing salient points in a focused, coherent manner with relevant evidence, valid reasoning, and well-chosen details.
- Use appropriate eye contact, adequate volume, and clear pronunciation.
- Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.
- Identify relevant mathematical resources, such as a calculator or digital content located on a website. and use them to pose or solve problems.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 47 - BTAC Success for TS 5

Credits: 3-10

A transitional studies course taught in the IBEST option for BTAC where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the BTAC text says explicitly as well as inferences drawn from the text.
- Determine the central idea of written course materials for BTAC; provide an objective summary of the text.
- Determine the meaning of words and phrases as they are used in a BTAC text.
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.
- Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.
- Identify relevant mathematical resources, such as a calculator or digital content located on a website, and use them to pose or solve problems.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Understand decimal notation for fractions, and compare decimal fractions.
- Generate and analyze patterns.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 48 - BTAC Success for TS 6

Credits: 3-10

A transitional studies course taught in the IBEST option for BTAC where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the BTAC text says explicitly as well as inferences drawn from the text.
- Determine the central idea of written course materials for BTAC; provide an objective summary of the text. Determine the meaning of words and phrases as they are used in a BTAC text.
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.

- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.
- Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate. Identify relevant mathematical resources, such as a calculator or digital content located on a website, and use them to pose or solve problems.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Understand decimal notation for fractions, and compare decimal fractions.
- Generate and analyze patterns.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 51 - Student Success in the Trades for ELL 4

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in the written course materials.
- Find the main idea of written course materials and explain how it is supported by key details.
- Create study notes on written course materials which summarize the main ideas and key details.
- Find and discuss events, procedures, ideas, or concepts in technical trades materials based on specific information in the text.
- Show how these materials support the same approach or differ.
- Learn and use technical vocabulary (words and phrases) specific to area of study in spoken and written in texts.
- Identify how an author supports specific points the author makes in the trades written materials
- Write on technical topics while utilizing clear reasoning, evidence, development, and analysis to support one's ideas.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of trades topics and techniques taught in the course.
- Effectively engage in classroom workplace discussions to achieve course learning objectives.
- Learn and apply math concepts and techniques for the practical purposes in area of study.
- Effectively use an appropriate calculator for course objectives.
- Explore job opportunities in the selected field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 52 - Student Success in the Trades for ELL 5

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades

programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details in the written course materials for trades when explaining what the materials say and when drawing inferences from the materials.
- Identify the main idea of written course materials and explain how it is supported by key details.
- Create objective study notes on written course materials which summarize the main ideas and key details.
- Explain events, procedures, ideas, or concepts in technical trades materials based on specific information in the text.
- Show how these materials support the same approach or differ.
- Learn and use technical vocabulary (words and phrases) specific to area of study in spoken and written texts.
- Identify various technical approaches in the written materials and determine how an author may agree or disagree with others on the same topics.
- Explain how an author uses reasons and evidence to support particular points in the written materials.
- Write informative or explanatory texts on technical topics while utilizing clear reasoning , evidence, development, and analysis to support one's claims.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of trades topics and techniques taught in the course.
- Effectively engage in classroom workplace discussions to achieve the trades course learning objectives.
- Learn and apply math concepts and techniques for the practical purposes of trades concentration.
- Effectively use an appropriate calculator for course objectives.
- Explore job opportunities in the trades field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in

a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 53 - Student Success in the Trades for ELL 6

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find evidence in written course materials to support major ideas and inferences.
- Understand the major trades concepts and how they are applied for specific course objectives.
- Locate a theme or central idea in the written course materials and how that theme is supported through detailed information.
- Find the central theme for each unit studied and how the details of the texts support that theme.
- Provide notes which summarize the written course materials without giving personal opinions or judgments.
- Take notes on texts to align with units taught in the course.
- Find connections and distinctions in various trades course written materials.
- Explain how materials support similar ideas or present variant concepts.
- Determine the meaning of words and phrases as they are used in a text, particularly connotative, and technical meanings for the context of trades are being taught.
- Identify various technical approaches in the written materials and determine how an author may agree or disagree with others on the same topics.
- Assess the claims and approaches of authors on relevant topics using one's theoretical, personal and practical knowledge of the trades area.
- Determine the reasoning and use of authors to support claims made on issues relating to industry techniques.

- Write explanatory texts on technical topics relating to area of study while utilizing clear reasoning, evidence, development, and analysis to support one's claims.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems
- Demonstrate listening comprehension of topics studied and techniques taught in the course.
- Engage in classroom workplace discussions to achieve the trades course learning objectives.
- Apply math concepts and techniques for the practical purposes of building.
- Use an appropriate calculator for course objectives.
- Explore job opportunities in the trades field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 54 - Student Success in the Trades for TS 2

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in the written course materials.
- Find the main idea of written course materials and explain how it is supported by key details.

- Create study notes on written course materials which summarize the main ideas and key details.
- Find and discuss events, procedures, ideas, or concepts in technical trades materials based on specific information in the text. Show how these materials support the same approach or differ.
- Use technical vocabulary specific to area of study in spoken and written contexts.
- Identify how an author supports specific points in the trades written materials.
- Write about technical topics while utilizing clear reasoning, evidence, development, and analysis to support one's ideas.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of trades topics and techniques taught in the course.
- Engage in classroom workplace discussions to achieve course learning objectives.
- Apply math concepts and techniques for the practical purposes in area of study.
- Use an appropriate calculator for course objectives.
- Explore job opportunities in the selected field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 55 - Student Success in the Trades for TS 3

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details in the written course materials for trades when explaining what the materials say and when drawing inferences from the materials.
- Identify the main idea of written course materials and explain how it is supported by key details.
- Create objective study notes on written course materials which summarize the main ideas and key details.
- Explain events, procedures, ideas, or concepts in technical trades materials based on specific information in the text.
- Show how these materials support the same approach or differ.
- Use technical vocabulary (words and phrases) specific to area of study in spoken and written contexts.
- Identify various technical approaches in the written materials and determine how an author may agree or disagree with others on the same topics.
- Explain how an author uses reasons and evidence to support particular points in the written materials.
- Write informative or explanatory texts on technical topics while utilizing clear reasoning , evidence, development, and analysis to support one's claims.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of trades topics and techniques taught in the course.
- Engage in classroom workplace discussions to achieve the trades course learning objectives.
- Apply math concepts and techniques for the practical purposes of trades concentration.
- Effectively use an appropriate calculator for course objectives.
- Explore job opportunities in the trades field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 56 - Student Success in the Trades for TS 4

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find evidence in written course materials to support major ideas and inferences. Understand the major trades concepts and how they are applied for specific course objectives.
- Locate a theme or central idea in the written course materials and how that theme is supported through detailed information.
- Find the central theme for each unit studied and how the details of the texts support that theme.
- Provide notes which summarize the written course materials without giving personal opinions or judgments.
- Take notes on texts to align with units taught in the course.
- Find connections and distinctions in various trades course written materials.
- Explain how materials support similar ideas or present variant concepts.
- Determine the meaning of words and phrases as they are used in a text, particularly connotative, and technical meanings for the context of trades are being taught.
- Identify various technical approaches in the written materials and determine how an author may agree or disagree with others on the same topics.
- Assess the claims and approaches using one's theoretical, personal and practical knowledge of the trades area.
- Determine the reasoning and use of authors to support claims made on issues relating to industry techniques.
- Write explanatory texts on technical topics relating to area of study while utilizing clear reasoning, evidence, development, and analysis to support one's claims.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of topics studied and techniques taught in the course.
- Engage in classroom workplace discussions to achieve the trades course learning objectives.

- Learn and apply math concepts and techniques for the practical purposes of building.
- Effectively use an appropriate calculator for course objectives.
- Explore job opportunities in the trades field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 57 - Student Success in the Trades for TS 5

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find and cite evidence in written course materials to support major ideas and inferences. Understand the major trades concepts and how they are applied for specific course objectives.
- Locate a theme or central idea in the written course materials and how that theme is supported through detailed information.
- Find the central theme for each unit studied and how the details of the texts support that theme. If the theme of a unit is about a construction process, be able to locate the specific sequences involved in that process and determine how these sequences are interrelated.
- Provide notes which summarize the written course materials without giving personal opinions or judgments.
- Take notes on texts to align with units taught in the course.
- Find connections and distinctions in various course written materials.

- Explain how materials support similar ideas or present variant concepts.
- Determine the meaning of words and phrases as they are used in a text, particularly connotative, and technical meanings for carpentry.
- Identify various technical approaches in the trades written materials and determine how an author may agree or disagree with others on the same topics.
- Assess the claims and approaches of authors on relevant topic using one's theoretical, personal and practical knowledge of the trades area.
- Determine the reasoning and use of authors to support claims made on issues relating to industry techniques.
- Write explanatory texts on technical topics while utilizing clear reasoning, evidence, development, and analysis to support one's claims.
- Utilize relevant information from multiple print and digital sources to answer a research question and present information learned to the instructor and other students to complete a course assignment on safety.
- Follow standards of citation and avoid plagiarism.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve technical problems.
- Demonstrate listening comprehension of carpentry topics and techniques taught in the course.
- Engage in classroom workplace discussions to achieve the course learning objectives.
- Apply math concepts and techniques for the practical purposes of building.
- Use an appropriate calculator for course objectives.
- Explore job opportunities in the field of study and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 58 - Student Success in the Trades for TS 6

Credits: 3-10

A transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical

thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze various written materials relating to trades area and integrate that with information presented in course discussions, presentations and demonstrations.
- Find and cite evidence in written course materials to support major ideas and inferences. Understand the major course concepts and how they are applied for specific course objectives.
- Analyze a theme or central idea in the written course materials and how that theme is supported through detailed information.
- Find the central theme for each unit studied and how the details of the texts support that theme. If the theme of a unit is about a construction process. Be able to locate the specific sequences involved in that process and determine how these sequences are interrelated.
- Provide notes which summarize the written course materials without giving personal opinions or judgments.
- Take notes on texts to align with units taught in the course.
- Find connections and distinctions in various course written materials.
- Explain how materials support similar ideas or present variant concepts.
- Determine the meaning of words and phrases as they are used in a text, particularly connotative, and technical meanings.
- Identify various technical approaches in the written materials and determine how an author may agree or disagree with others on the same topics.
- Assess the claims and approaches-Using one's theoretical, personal and practical knowledge of the trades area.
- Determine the reasoning and use of authors to support claims made on issues relating to carpentry techniques.
- Write explanatory texts on technical topics relating to trades area while utilizing clear reasoning, evidence, development, and analysis to support one's claims.
- Utilize relevant information from multiple print and digital sources to answer a research question and present information learned to the instructor and other students to complete a course assignment on safety as it relates to trades area.
- Follow standards of citation and avoid plagiarism.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of trades topics and techniques taught in the course.

- Engage in classroom workplace discussions to achieve the trades course learning objectives.
- Apply math concepts and techniques for the practical purposes of trades area.
- Effectively use an appropriate calculator for course objectives.
- Explore job opportunities in the trades field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 63 - Nursing Assistant Success for ELL 6

Credits: 3-10

A transitional studies course taught in the IBEST option for NA where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in nursing assistant text to explain what the text says.
- Determine the main idea of the nursing assistant text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when taking vitals, or performing nursing tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.

- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the nursing assistant field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 66 - Nursing Assistant Success for TS 4

Credits: 3-10

A transitional studies course taught in the IBEST option for NA where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in nursing assistant text to explain what the text says.
- Determine the main idea of the nursing assistant text and explain how it is supported by key details.

- Follow precisely a multi-step procedure when taking vitals, or performing nursing tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the nursing assistant field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 67 - Nursing Assistant Success for TS 5

Credits: 3-10

A transitional studies course taught in the IBEST option for NA where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of technical nursing assistant text.
- Determine the central ideas or conclusions of the nursing assistant text; provide an accurate summary distinct from prior knowledge or opinions.
- Follow precisely a multi-step procedure when taking vitals, or performing nursing tasks.
- Integrate quantitative or technical information expressed in words in a nursing assistant text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content. Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, linking to other information and to display information flexibility and dynamically.
- Conduct short research projects to answer a technical question in the nursing assistant field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths. Understand decimal notation for fractions, and compare decimal fractions.
- Solve problems involving measurement and estimation of Intervals of time (respiration, blood pressure), liquid volumes, and weight. Understand ratio concepts and use ratio reasoning to solve problems.
- Use ratio reasoning to convert measurement units (e.g., ounces to millimeters).

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 68 - Nursing Assistant Success for TS 6

Credits: 3-10

A transitional studies course taught in the IBEST option for NA where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations and participate in workplace discussions, and increase job search skills.

Enrollment Requirement: Placement based on assessment measure; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of the technical nursing assistant text attending to the precise details of explanations or description.
- Determine the central ideas or conclusions of the nursing assistant text: provide an accurate summary of the complex concepts and processes distinct from prior knowledge or opinions by paraphrasing accurately.
- Follow precisely a multi-step procedure when taking vitals. or performing nursing tasks attending to special cases. Integrate quantitative or technical information expressed in words in a nursing assistant text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately
- through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.

- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibility and dynamically.
- Conduct short as well as more sustained research projects to answer a technical question in the nursing assistant field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners. building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Demonstrate decimal notation for fractions, and compare decimal fractions.
- Solve problems involving measurement and estimation of intervals of time (respiration, blood pressure), liquid volumes, and weight.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

IBEST 73 - Medical Assistant Phlebotomy Success for ELL 6

Credits: 2-5

A transitional studies course taught in the IBEST option for Medical Assistant Phlebotomy where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for phlebotomy, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's

permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in phlebotomy text to explain what the text says.
- Determine the main idea of the phlebotomy text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when taking vitals, or performing phlebotomy-related tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the phlebotomy field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 74 - Medical Assistant Phlebotomy Success for TS 4

Credits: 2-5

A transitional studies course taught in the IBEST option for Medical Assistant Phlebotomy where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study

skills, increase vocabulary, use basic mathematical skills as needed for phlebotomy, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in phlebotomy text to explain what the text says.
- Determine the main idea of the phlebotomy text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when performing phlebotomy related tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce writing as well as to interact and collaborate with others.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 75 - Medical Assistant Phlebotomy Success for TS 5

Credits: 2-5

A transitional studies course taught in the IBEST option for Medical Assistant

Phlebotomy where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for phlebotomy, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of technical phlebotomy text.
- Determine the central ideas or conclusions of the phlebotomy text; provide an accurate summary distinct from prior knowledge or opinions.
- Follow precisely a multi-step procedure when taking vitals or performing phlebotomy tasks.
- Integrate quantitative or technical information expressed in words in phlebotomy text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content. Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, linking to other information and to display information flexibility and dynamically.
- Conduct short research projects to answer a technical question in the phlebotomy field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths. Understand decimal notation for fractions and compare decimal fractions.

- Solve problems involving measurement and estimation of Intervals of time (respiration, blood pressure), liquid volumes, and weight. Understand ratio concepts and use ratio reasoning to solve problems.
- Use ratio reasoning to convert measurement units (e.g., ounces to millimeters).

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 76 - Medical Assistant Phlebotomy Success for TS 6

Credits: 2-5

A transitional studies course taught in the IBEST option for Medical Assistant Phlebotomy where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for phlebotomy, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of the technical phlebotomy text attending to the precise details of explanations or description.
- Determine the central ideas or conclusions of the phlebotomy text: provide an accurate summary of the complex concepts and processes distinct from prior knowledge or opinions by paraphrasing accurately.
- Precisely follow a multi-step procedure when taking vitals. or performing phlebotomy tasks attending to special cases. Integrate quantitative or technical information expressed in words in a nursing assistant text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately.
- through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.

- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibility and dynamically.
- Conduct short as well as more sustained research projects to answer a technical question in the phlebotomy field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners. building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Demonstrate decimal notation for fractions and compare decimal fractions.
- Solve problems involving measurement and estimation of intervals of time (respiration, blood pressure), liquid volumes, and weight.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 83 - Cardiac Monitor Technician Success for ELL 6

Credits: 2-5

A transitional studies course taught in the IBEST option for Cardiac Monitor Technician where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for cardiac monitoring skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in cardio technology text to explain what the text says.
- Determine the main idea of the cardio technology text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when taking vitals or performing cardio tech tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in cardio technology field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 84 - Cardiac Monitor Technician Success for TS 4

Credits: 2-5

A transitional studies course taught in the IBEST option for Cardiac Monitor Technician where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for cardiac monitoring skills, effectively read course materials, comprehend skills demonstrations, participate in

workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in cardio technology text to explain what the text says.
- Determine the main idea of the cardio technology text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when taking vitals or performing cardio technology tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the cardio technology field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 85 - Cardiac Monitor Technician Success for TS 5

Credits: 2-5

A transitional studies course taught in the IBEST option for Cardiac Monitor Technician where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for cardiac monitoring skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of technical cardio technology text.
- Determine the central ideas or conclusions of the cardio technology text; provide an accurate summary distinct from prior knowledge or opinions.
- Follow precisely a multi-step procedure when taking vitals or performing cardio technology tasks.
- Integrate quantitative or technical information expressed in words in cardio technology text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content. Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, linking to other information and to display information flexibility and dynamically.
- Conduct short research projects to answer a technical question in the cardio technology field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

- Perform operations with multi-digit whole numbers and with decimals to hundredths. Understand decimal notation for fractions and compare decimal fractions.
- Solve problems involving measurement and estimation of Intervals of time (respiration, blood pressure), liquid volumes, and weight. Understand ratio concepts and use ratio reasoning to solve problems.
- Use ratio reasoning to convert measurement units (e.g., ounces to millimeters).

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 86 - Cardiac Monitor Technician Success for TS 6

Credits: 2-5

A transitional studies course taught in the IBEST option for Cardiac Monitor Technician where students receive additional instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for cardiac monitoring skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of the technical cardio technology text attending to the precise details of explanations or description.
- Determine the central ideas or conclusions of the cardio technology text: provide an accurate summary of the complex concepts and processes distinct from prior knowledge or opinions by paraphrasing accurately.
- Precisely follow a multi-step procedure when taking vitals. or performing cardio technology tasks attending to special cases. Integrate quantitative or technical information expressed in words in a cardio technology text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately.
- through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.

- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibility and dynamically.
- Conduct short as well as more sustained research projects to answer a technical question in the cardio technology field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners. building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Demonstrate decimal notation for fractions and compare decimal fractions.
- Solve problems involving measurement and estimation of intervals of time (respiration, blood pressure), liquid volumes, and weight.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 93 - Practical Nursing Success for ELL 6

Credits: 3-5

A transitional studies course taught in the IBEST option for Practical Nursing where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in Practical Nursing text to explain what the text says.
- Determine the main idea of the Practical Nursing text and explain how it is supported by key details.
- Follow precisely a multistep procedure when performing Practical Nursing tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- With guidance and support from peers, develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- With some guidance and support, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the Practical Nursing field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 94 - Practical Nursing Success for TS 4

Credits: 3-5

A transitional studies course taught in the IBEST option for Practical Nursing where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in Practical Nursing text to explain what the text says.
- Determine the main idea of the Practical Nursing text and explain how it is supported by key details.
- Follow precisely a multistep procedure when performing Practical Nursing tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- With guidance and support from peers, develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- With some guidance and support, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the Practical Nursing field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.

- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 95 - Practical Nursing Success for TS 5

Credits: 3-5

A transitional studies course taught in the IBEST option for Practical Nursing where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of technical Practical Nursing text.
- Determine the central ideas or conclusions of the Practical Nursing text
- Provide an accurate summary distinct from prior knowledge or opinions.
- Follow precisely a multistep procedure when performing Practical Nursing tasks.
- Integrate quantitative or technical information expressed in words in a Practical Nursing text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.

- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, linking to other information and to display information flexibility and dynamically.
- Conduct short research projects to answer a technical question in the Practical Nursing field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Understand decimal notation for fractions and compare decimal fractions.
- Solve problems involving measurement and estimation of Intervals of time (respiration, blood pressure), liquid volumes, and weight.
- Understand ratio concepts and use ratio reasoning to solve problems.
- Use ratio reasoning to convert measurement units (e.g., ounces to millimeters)

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST 96 - Practical Nursing Success for TS 6

Credits: 3-5

A transitional studies course taught in the IBEST option for Practical Nursing where students receive additional instruction needed to succeed in the program and find employment. Students research and prepare presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Placement based on assessment measure and instructor's permission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of the technical Practical Nursing text attending to the precise details of explanations or description.
- Determine the central ideas or conclusions of the Practical Nursing text:
- Provide an accurate summary of the complex concepts and processes distinct from prior knowledge or opinions by paraphrasing accurately.
- Follow precisely a multistep procedure when performing Practical Nursing tasks.
- Integrate quantitative or technical information expressed in words in a Practical Nursing text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of relevant content.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach addressing what is most significant for a specific purpose and audience.
- Use technology, including the Internet, to produce and publish writing and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibility and dynamically.
- Conduct short as well as more sustained research projects to answer a technical question in the Practical Nursing field; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

- Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess credibility and accuracy of each source, and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners. building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.
- Demonstrate decimal notation for fractions, and compare decimal fractions.
- Solve problems involving measurement and estimation of intervals of time (respiration, blood pressure), liquid volumes, and weight.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Integrated Basic Education and Skills Training-Open Doors

IBEST-OD 54 - Carpentry Success for Open Doors

Credits: 3-10

A Open Doors transitional studies course taught in the I-BEST program for students in the trades programs. Students receive additional instruction needed to succeed in the program and find employment. Students research and prepare safety presentations, utilize critical thinking strategies and study skills, effectively read course materials, comprehend skill demonstrations and participate in workplace discussions, apply math skills, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in the written course materials.
- Find the main idea of written course materials and explain how it is supported by key details.
- Create study notes on written course materials which summarize the main ideas and key details.
- Find and discuss events, procedures, ideas, or concepts in technical trades materials based on specific information in the text. Show how these materials support the same approach or differ.
- Use technical vocabulary specific to area of study in spoken and written contexts.
- Identify how an author supports specific points in the trades written materials.
- Write about technical topics while utilizing clear reasoning, evidence, development, and analysis to support one's ideas.
- Utilize critical thinking strategies to apply demonstrated concepts and techniques to practical problems presented in the trades course.
- Use what is taught to solve construction problems.
- Demonstrate listening comprehension of Carpentry topics and techniques taught in the course.
- Engage in classroom workplace discussions to achieve course learning objectives.
- Apply math concepts and techniques for the practical purposes in Carpentry.
- Use an appropriate calculator for course objectives.
- Explore job opportunities in the selected field and prepare to apply and interview for these career openings.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

• **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST-OD 64 - Nursing Assistant Success for Open Doors

Credits: 3-10

An Open Doors basic skills course to support students' skills development as needed to be successful in the Nursing Assistant-Certified program. Students receive contextualized instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for nurse assistants' skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in nursing assistant text to explain what the text says.
- Determine the main idea of the nursing assistant text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when taking vitals, or performing nursing tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the nursing assistant field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST-OD 74 - Medical Assistant Phlebotomy Success for Open Doors

Credits: 2-5

An Open Doors basic skills course to support students' skills development as needed to

be successful in the Phlebotomy program. Students receive contextualized instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for phlebotomy skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in phlebotomy text to explain what the text says.
- Determine the main idea of the phlebotomy text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when performing phlebotomy related tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce writing as well as to interact and collaborate with others.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IBEST-OD 84 - Cardiac Monitor Technician Success for Open Doors

Credits: 2-5

An Open Doors basic skills course to support students' skills development as needed to be successful in the Cardiac Monitor Technician program. Students receive contextualized instruction needed to succeed in the program and find employment. Students utilize critical thinking strategies and study skills, increase vocabulary, use basic mathematical skills as needed for cardiac monitoring technician skills, effectively read course materials, comprehend skills demonstrations, participate in workplace discussions, and increase job search skills. This is a pass/no credit course.

Enrollment Requirement: Students must be accepted into Open Doors and into the Cardiac Monitoring Technician programs.

Course Outcomes:

Students who successfully complete this class will be able to:

- Refer to details and examples in cardio technology text to explain what the text says.
- Determine the main idea of the cardio technology text and explain how it is supported by key details.
- Follow precisely a multi-step procedure when taking vitals or performing cardio technology tasks.
- Interpret information presented visually or quantitatively (e.g., in a flowchart, diagram, model, graph, or table.)
- Write informative/explanatory texts to examine a technical topic and convey ideas and information clearly.
- Produce clear and coherent writing in which the development and organization are appropriate to the task assigned.
- Develop and strengthen writing as needed by planning, revising, and editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others.
- Conduct short research projects to answer a technical question in the cardio technology field to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work and provide a list of sources.
- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners, building on others' ideas and expressing their own clearly.
- Use the four operations with whole numbers to solve problems.

Program Outcomes

Demonstrate the skills necessary to earn a college credential and acquire employment in a high-demand, living wage job.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Industrial Education

INDUS 101 - Basic Woodworking

Credits: 1-4

Develops a working knowledge of woodworking as related to layout, assembling, joining, fastening and finishing, and practical application through the use of hand tools and power tools. Students build and keep a personal wood project.

Course Fee: \$80.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify, label, and list the uses of inventoried hand and power tools with no less than 75% accuracy.
- Accurately measure, transfer layout lines, find centers, and find angles on an assigned project to a level of quality consistent with industry standards.
- Glue, clamp, and square lumber.
- Demonstrate safe work practices to current industry practices.
- Demonstrate each tool presented in the shop by successfully using each tool in a manner consistent with industry standards.

Program Outcomes

- Be employed as a carpenter helper or a union carpentry apprenticeship program.
- Demonstrate efficiency, safety and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

INDUS 108 - Introduction to Building Construction Trades

Credits: 10

Competency-based course with introduction to carpentry, plumbing, electrical and drywall techniques. Includes the study and practice of building trade computation, OSHA/WISHA construction safety standards, hand and power tool safety and use and workplace ethics and standards.

Course Fee: 75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the knowledge and manipulative skills for basic carpentry.
- Apply the knowledge and manipulative skills for basic plumbing techniques.
- Apply the knowledge and manipulative skills for basic electrical techniques.
- Apply the knowledge and manipulative skills for basic drywall techniques.

Program Outcomes

- Demonstrate efficiency, safety, and accuracy in the completion of carpentry tasks.
- Use all basic hand and power tools related to carpentry.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

INDUS 111 - Welding Survey 1

Credits: 3

Includes lecture and lab experiences in arc welding, oxy-acetylene welding, brazing, and cutting. Basic study of MIG and TIG and other special processes.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Demonstrate basic Oxy/Acetylene welding, brazing, and cutting procedures/skills as listed in the student handbook.
- Demonstrate basic Gas Metal Arc welding skills as listed in the student handbook.
- Demonstrate basic Gas Tungsten Arc welding skills as listed in the student handbook.
- Demonstrate basic Shielded Metal Arc welding skills as listed in the student handbook.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

INDUS 112 - Welding Survey 2

Credits: 3

Includes lecture and lab experiences in arc welding, oxy-acetylene welding, brazing, and cutting. Basic study of MIG and TIG and other special processes.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Demonstrate basic Oxy/Acetylene welding, brazing, and cutting procedures/skills as listed in the student handbook.
- Demonstrate basic Gas Metal Arc welding skills as listed in the student handbook.
- Demonstrate basic Gas Tungsten Arc welding skills as listed in the student handbook.
- Demonstrate basic Shielded Metal Arc welding skills as listed in the student handbook.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

INDUS 113 - Welding Survey 3

Credits: 3

Includes lecture and lab experiences in arc welding, oxy-acetylene welding, brazing, and cutting. Basic study of MIG and TIG and other special processes.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.

- Demonstrate basic Oxy/Acetylene welding, brazing, and cutting procedures/skills as listed in the student handbook.
- Demonstrate basic Gas Metal Arc welding skills as listed in the student handbook.
- Demonstrate basic Gas Tungsten Arc welding skills as listed in the student handbook.
- Demonstrate basic Shielded Metal Arc welding skills as listed in the student handbook.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Information Literacy

INFO 104 - Information for the Disciplines

Credits: 2

Introduces students to the professional and research literature in a humanities, social sciences or science discipline. Students develop the ability to locate, evaluate, and effectively and ethically use information sources and information retrieval systems pertinent to the discipline under study. Students gain an understanding of the object and method of study in the discipline and compare scholarly with popular sources. May be offered as a linked course. This is a pass/no credit course.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify key terms and concepts in an academic discipline.

- Identify and use information retrieval systems appropriate to the academic discipline.
- Construct an appropriate topic for and search strategy in the academic discipline.
- Identify a variety of types and formats of information sources in the academic discipline.
- Critically evaluate information and information sources in the discipline.
- Use information effectively and ethically for academic purposes.

Program Outcomes

- Identify the scope of their information need.
- Access information effectively.
- Evaluate the quality of the information.
- Use, synthesize, or produce the needed information ethically.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

INFO 110 - Information Literacy and Research Skills

Credits: 2

Examines the nature of information and the research process. Topics include locating, retrieving, evaluating, and using information print and electronic resources effectively and ethically. This is a pass/no credit course.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify an information need and formulate research question(s), scope, and intended audience through an iterative process.
- Construct, implement, and modify a search strategy appropriate to the information need and context.
- Critically evaluate both the retrieved information and its source(s).
- Effectively and ethically use the selected information in one's own work.

Program Outcomes

- Identify the scope of their information need.
- Access information effectively.
- Evaluate the quality of the information.

- Use, synthesize, or produce the needed information ethically.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Information Technology

IT 101 - Introduction to Information Technology

Credits: 5

Provides an overview of information technology. Introduces computer hardware, software, procedures and systems, and their applications in various segments of society.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the impact of digital technology and the World Wide Web.
- Describe basic computer hardware, operating system and application functionality.
- Explain how to apply security and safety to computer systems.
- Describe program and Web use and development.
- Explain the impact of Networking and Digital Communication in the modern world.

Program Outcomes

- Understand security principles, system and network vulnerabilities, and common mitigation practices.
- Understand network infrastructure, logic, and troubleshooting procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 102 - Scripting for Cybersecurity

Credits: 5

An introductory programming/scripting class for students who have no prior programming experience with a focus on Cybersecurity and automation. Covers flow control, loops, functions, using libraries, version control, and APIs.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe basic concepts of scripting including flow control, loops, functions, and variables.
- Create and use scripts with a cybersecurity focus.
- Use libraries to extend capabilities.
- Describe the features and uses of version control software.
- Describe how to perform automation and use APIs.

Program Outcomes

Understand and demonstrate basic programming and database constructs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

IT 114 - IT and Cybersecurity Essentials

Credits: 5

An introduction to Cybersecurity, PC hardware and Operating Systems.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and describe PC hardware components.
- Understand, install, maintain, and troubleshoot various operating systems.
- Describe basic computer networking concepts.
- Identify cybersecurity concepts and configurations for networks and operating systems.

- Identify and describe emerging technologies.

Program Outcomes

Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems and networking hardware.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 125 - Fundamentals of IPv4 and IPv6

Credits: 5

Covers IP protocols, subnetting, and number conversion between Base 10 and Binary.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe IPv4 and IPv6 protocols.
- Describe subnetting of IPv4 and IPv6 networks.
- Perform subnetting of IPV4 and IPv6 networks.
- Perform network summarization for ranges of IPv4 and IPv6 networks

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems and networking hardware.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

IT 131 - Introduction to Networks

Credits: 5

Introduces networking and basic switch and router configuration. This course uses the Cisco CCNA Routing and Switching Introduction to Networks curriculum.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the importance of protocols, data networks and the Internet in supporting business communications and everyday activities.
- Calculate, and apply subnet masks and addresses to build a simple network.
- Use Cisco command-line interface (CLI) commands to perform basic router and switch configuration, security and verification.
- Identify the operations and features of the TCP/IP and OSI models.
- Utilize common network utilities to verify and troubleshoot small network operations and view data traffic.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

IT 135 - CompTIA Security+ Certification Preparation

Credits: 5

A preparation course for the CompTIA Security+ certification, an IT industry recognized entry level certification. Provides students with a broad foundation of network security concepts. Topics include security fundamentals, overview of cryptography, security policies and procedures, common types of attacks, and how to implement network security measures. Covers all current CompTIA Security+ certification exam objectives.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe cyber security fundamentals.
- Explain how cryptography and PKI is used.
- Develop security policies and procedures.
- Describe common types of vulnerabilities, threats, attacks, and countermeasures.

Program Outcomes

- Describe, configure, secure and troubleshoot computer networking equipment and resources.
- Describe, configure, secure and troubleshoot operating systems.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IT 160 - Windows Server Administration

Credits: 5

Provides students with the knowledge and skills necessary to configure and manage Microsoft Windows Server and Active Directory Services.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Configure and manage Microsoft Windows Server.
- Configure and manage storage solutions and permissions.
- Use Windows PowerShell to perform system administration tasks.
- Configure and maintain Active Directory, Group Policy, DNS, and DHCP.
- Implement and manage virtualization.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems and networking hardware.

- Understand network infrastructure, logic, and troubleshooting procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 178 - IT Work Experience

Credits: 1-5

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Become acquainted with people in professional settings.
- Work with others in their field of interest.
- Adjust to specific aspects of a career.
- Improve previously acquired skills.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems and networking hardware.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IT 190 - Introduction to Linux Operating System Security

Credits: 5

Introduces the student to entry level Linux operating system security, file system navigation, user and group administration, software applications, operating system update methods and shell scripting in the Linux operating system environment at the command line using the Terminal.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use the Linux Terminal to perform entry-level administration.
- Understand and implement Linux file and directory permissions.
- Evaluate operating system security and identify points of exploitation.
- Describe the mechanisms for securing computer systems and programs.
- Compare different access control, file protection, and authentication mechanisms.
- Apply appropriate countermeasures to protect computer systems.

Program Outcomes

Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems and networking hardware.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 201 - Database Fundamentals

Credits: 5

Covers the management of database tables, queries, views, indexes, and constraints using a Database Management System (DBMS) and Structured Query Language (SQL). Hands-on exercises include the analysis, troubleshooting, and problem solving of real-world database scenarios.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand and manipulate database objects using CREATE, ALTER, and DROP statements.
- Understand and manipulate data using SELECT, INSERT, UPDATE, and DELETE statements.
- Understand, design and implement PRIMARY KEY and FOREIGN KEY constraints.
- Understand, design, and create SQL queries with inner and outer joins.
- Understand, design, and create SQL queries that utilize set operations and subqueries.
- Understand basic concepts of database security and techniques used to secure databases.

Program Outcomes

- Understand and demonstrate basic programming and database constructs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 210 - Routing and Switching Essentials

Credits: 7

Focuses on the knowledge and skills to implement and configure routing and switching. Topics include device configuration, IPv4, IPv6, Subnetting, virtual local area networks (VLANs), routing protocols, and wide area networking (WAN) technologies.

Enrollment Requirement: IT 131 or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Configure routers and switches using the command line interface.
- Perform IPv4 and IPv6 subnetting.
- Implement VLANs, NAT, ACLs, DHCP and network discovery.
- Implement static and dynamic routing.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems.
- Understand security principles, system and network vulnerabilities, and common mitigation practices.
- Understand network infrastructure, logic, and troubleshooting procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

IT 214 - Cisco Certified Support Technician Cybersecurity Certification Preparation

Credits: 5

Covers a variety of cybersecurity topics including security principles, network security and endpoint security concepts, vulnerability assessment and risk management, and incident handling. The activities in this course include many hands-on assignments to help students better understand the technical material presented in the course.

Enrollment Requirement: IT 131 or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe essential security principles.
- Describe basic network security practices, and configure basic network security settings.
- Describe and configure endpoint security.
- Describe Vulnerability Assessment and Risk Management.
- Describe Incident Handling, and perform basic Incident handling planning tasks.

Program Outcomes

Describe security principles, system and network vulnerabilities, and common mitigation practices.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 224 - Windows Automation and Scripting

Credits: 5

Introduces PowerShell scripting language for Windows. Students will write, test and execute basic and advanced administrative scripts for Windows.

Enrollment Requirement: IT 160 with a grade of 2.0 or higher; MATH 72 or TS/TS-OD

57 with a grade of 2.5 or higher; or eligible for MATH 97 or higher; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use PowerShell commands at the command line and in the scripting environment.
- Build objects and collections.
- Develop scripts using flow control, decisions, repetition and pipelines in PowerShell.
- Perform Windows, file system, and Active Directory administration using PowerShell.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems.
- Understand and demonstrate basic programming and database constructs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 244 - CompTIA Cloud+ Certification Preparation

Credits: 5

Provides students competency in cloud models, virtualization, infrastructure, security, resource management and business continuity.

Enrollment Requirement: IT 131 and 160; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe cloud concepts and models.
- Explain different virtualization types and technologies.
- Describe the infrastructure resources used within clouds.
- Plan resource management and monitoring.
- Explain security requirements in the cloud.
- Perform Systems management and monitoring of cloud resources.
- Plan for business continuity in the cloud.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems.
- Understand security principles, system and network vulnerabilities, and common mitigation practices.
- Understand network infrastructure, logic, and troubleshooting procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 245 - Identity and Access Management

Credits: 5

Provides students with the knowledge and skills necessary to install, configure, and administer advanced directory services. Focuses on performing tasks required to centrally manage users, computers, and resources.

Enrollment Requirement: IT 160 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Configure and maintain advanced directory services.
- Apply policies to manage users and resources.
- Utilize certificates for authentication and authorization.
- Plan and implement access management for applications.
- Understand identity federation and access solutions.

Program Outcomes

- Understand and demonstrate procedures to install, configure, support, and troubleshoot operating systems.
- Understand security principles, system and network vulnerabilities, and common mitigation practices.
- Understand network infrastructure, logic, and troubleshooting procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 295 - CompTIA Project+ Certification Preparation

Credits: 5

Covers the foundational project management skills needed for students to manage small to medium sized projects as part of their regular job duties.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the properties of project management, phases, schedules, roles and responsibilities, and cost controls, as well as the basic aspects of Agile methodology.
- Explain the impact of various constraint variables and influences throughout the project and the importance of risk strategies and activities.
- Use appropriate communication methods of influence and change control processes within the context of a project.
- Describe various project management tools and project and partner-centric documentation.

Program Outcomes

Participate in or lead small to medium sized information technology or cybersecurity projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

IT 310 - Routing and Switching in the Enterprise

Credits: 7

Builds upon the knowledge and skills attained in IT 210. Covers advanced routing using Open Shortest Path First (OSPF), Router Fail-over, inter-VLAN routing, link aggregation, Software Defined Networking, and VPNs. Hands-on exercises include configuration, installation, and troubleshooting.

Enrollment Requirement: IT 210; and admission into the IT Bachelor's in Cybersecurity and Networking program; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand and configure inter-VLAN routing.
- Understand, configure, and troubleshoot routing using OSPF and HSRP
- Understand and configure VLANs and inter-switch communication.
- Understand, configure and troubleshoot link aggregation.
- Understand Software Defined Networking
- Understand IPsec VPNs.

Program Outcomes

- Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.
- Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.
- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 335 - Network Security Foundations and Policies

Credits: 5

Introduces information, business security, and security laws. Covers a variety of security topics that are integral to today's information security professionals, including access

control, cryptography, and security architecture and design.

Enrollment Requirement: Admission into a BAS in IT program; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand Information Security and Risk Management.
- Understand Access controls, Application Security, Business Continuity and Disaster Recovery Planning.
- Understand basic Cryptography.
- Understand Regulations, Compliance and Investigations relating to Information Technology security.
- Understand basic Operations, Physical and Environmental Security.

Program Outcomes

- Analyze the security vulnerabilities of an organization's information technology resources.
- Plan and implement security measures and practices for an organization's information technology resources.
- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 340 - Network Security and Firewalls

Credits: 5

Equips students with the knowledge and skills needed to prepare for entry-level network security specialist careers. A hands-on, career-oriented e-learning solution that emphasizes practical experience. Various types of hands-on labs provide practical experience, including procedural and trouble-shooting labs, skills integration challenges, and model building.

Enrollment Requirement: Admission into a BAS in IT program; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand threat mitigation.
- Understand and implement network security management and reporting.
- Understand and Implement High Availability.
- Understand and Implement Application ID.
- Understand the Implementation of site-to-site VPNs.

Program Outcomes

- Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.
- Analyze the security vulnerabilities of an organization's information technology resources.
- Plan and implement security measures and practices for an organization's information technology resources.
- Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.
- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 360 - Security Operations, Analysis & Forensics

Credits: 5

Provides an introduction to the knowledge and skills needed for a Security Analyst working with a Security Operations Center team. It teaches core security and forensic skills needed for monitoring, detecting, investigating, analyzing and responding to security events, thus protecting systems and organizations from cybersecurity risks, threats and vulnerabilities.

Enrollment Requirement: IT 190; and admission into the BAS in IT program or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe End Point Threat Analysis.
- Describe Computer Forensics Processes.
- Perform Network Intrusion Analysis.
- Perform Incident Response.
- Perform Data and Event Analysis.
- Explain the Processes involved in Incident Handling.

Program Outcomes

- Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.
- Analyze the security vulnerabilities of an organization's information technology resources.
- Plan and implement security measures and practices for an organization's information technology resources.
- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 365 - Cyber Data Analysis Using Kibana

Credits: 5

Covers the configuration and use of Kibana to monitor network security traffic and alerts, and to effectively search for information regarding the alerts they are researching. Previously IT 350.

Enrollment Requirement: IT 201 or SDEV 201, and admission into a BAS in IT Cybersecurity and Networking; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Configure Kibana Visualizations and Dashboards.
- Configure and use filters and drilldowns.
- Share and present your dashboard information using permalinks and reports.
- Configure machine learning to perform anomaly detection.

Program Outcomes

Analyze the security vulnerabilities of an organization's information technology resources.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 370 - Cloud System Operations: Microsoft Azure

Credits: 5

Prepares students to take the Implementing Microsoft Azure Infrastructure Solutions certification exam.

Enrollment Requirement: IT 244; and admission into the BAS in IT program or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design and implement Azure App Service apps.
- Create and manage Azure Resource Manager Virtual Machines.
- Design and implement a storage strategy.
- Implement an Azure Active Directory.
- Implement virtual networks.

Program Outcomes

- Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.
- Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.

- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 385 - Advanced Scripting and Automation

Credits: 5

Introduces the student to different automation tools such as Ansible and other scripting languages such as Python and PowerShell.

Enrollment Requirement: IT 102 and IT 224; and admission into a BAS in IT program; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and understand the advantages of Automation in IT.
- Perform and explain how to install automation tools such as Ansible.
- Develop simple automation scripts using automation tools such as Ansible using YAML syntax.
- Understand how to use automation tools to handle simple to complex scalable deployments.

Program Outcomes

Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 450 - Cybersecurity Analysis

Credits: 5

Covers cybersecurity analysis from initial implementation to performing actual analysis of potential incidents. Students will perform a variety of tasks, including weekly monitoring and analysis of network traffic, creating tickets, and resolving them.

Enrollment Requirement: IT 340; and IT 360 (or concurrent enrollment); and admission into a Information Technology-Cybersecurity and Networking, BAS program; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compare the methods used to create signature-, reputation-, and anomaly-based alert rules.
- Trace and validate reported alerts to identify false positives and potential incidents.
- Identify and analyze anomalies in network traffic using metadata.
- Provide technical summary of findings in accordance with established reporting procedures.
- Identify placement and implementation options for network monitoring software and hardware.

Program Outcomes

- Analyze the security vulnerabilities of an organization's information technology resources.
- Plan and implement security measures and practices for an organization's information technology resources.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 460 - Threat Analysis

Credits: 5

Provides the student with the ethical hacking knowledge to conduct a threat assessment, secure a network across popular platforms and operating systems, understand various types of threats, intrusion detection systems, and establish auditing and monitoring systems for vulnerabilities and threats without affecting performance.

Enrollment Requirement: Admission into the BAS in IT program or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand Ethical Hacking tools.
- Describe Denial of Service and Buffer Overflows.
- Understand and Describe Linux Operating System Vulnerabilities.
- Understand the methodology for Hacking servers and Wireless Networks.
- Understand Injection and cross-site scripting attacks.

Program Outcomes

- Analyze the security vulnerabilities of an organization's information technology resources.
- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 470 - Cloud System Operations: Amazon Web Services

Credits: 5

Course prepares students to take the AWS Certified SysOps Administrator - Associate certification exam.

Enrollment Requirement: Admission into the BAS in IT program or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Deploy, manage, and operate scalable, highly available, and fault tolerant systems on AWS.
- Implement and control the flow of data to and from AWS.
- Select the appropriate AWS service based on compute, data, or security requirements.
- Identify appropriate use of AWS operational best practices.
- Estimate AWS usage costs and identify operational cost control mechanisms.
- Migrate on-premises workloads to AWS.

Program Outcomes

- Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.
- Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 480 - Cloud Security (CCSP)

Credits: 5

Covers the design strategy and implementation of cloud security principles and preparation for the Certified Cloud Security Practitioner (CCSP) exam.

Enrollment Requirement: Admission into a BAS in IT program or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain cloud security principles and best practices.
- Apply Data Security Principles in the cloud.
- Implement Cloud Platform, Infrastructure, and Application Security.
- Analyze Legal, Risks and Compliance Requirements in a Cloud environment.
- Design proper Cloud Security Operations.

Program Outcomes

- Analyze the security vulnerabilities of an organization's information technology resources.
- Plan and implement security measures and practices for an organization's information technology resources.
- Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.
- Prepare for industry certification exams.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

IT 490 - Capstone: Cybersecurity and Networking

Credits: 5

Students work in teams to plan, implement, secure and document a complete network solution for a real or simulated company. Students implement a proof-of-concept network and present their design and outcomes to an audience.

Enrollment Requirement: Instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand stakeholder project requirements.
- Understand and prepare a work breakdown schedule for a project.
- Provide weekly report and status updates to stakeholders.

Program Outcomes

- Plan, implement, administer, and support appropriate information technologies and systems to help an organization achieve its goals and objectives. Information technologies and systems may include servers, client computers, mobile devices, operating systems, network applications, local area networks, wide area networks, wireless networks, network segments, intranets, and so on.
- Analyze the security vulnerabilities of an organization's information technology resources.

- Plan and implement security measures and practices for an organization's information technology resources.
- Evaluate user needs and use those needs to plan the implementation of information technology systems that meet those needs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Japanese

JAPN& 121 - Japanese I

Credits: 5

Begins the systematic study of Japanese vocabulary and grammar using the four basic skills of speaking, listening, reading and writing. Includes introduction of the hiragana and katakana writing systems. Attained communicative competency can be applied to interactions with peers from diverse cultural backgrounds and native speakers in classroom and real-world situations.

Enrollment Requirement: No previous background in Japanese, or no more than one year of high school Japanese, or no more than two years of high school Japanese with a "C" average or less. Eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use hiragana and katakana.
- Use question words for exchanges of personal information.
- Discuss routines and future actions with the polite form of verbs.
- Discuss past actions with the polite past form of verbs.
- Describe the existence and location of places, people, and things.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JAPN& 122 - Japanese II

Credits: 5

A direct continuation of JAPN& 121. The focus of the course is the systematic study of Japanese vocabulary, grammar and kanji using the four basic skills of listening, speaking, reading and writing. Attained communicative competency can be applied to interactions with peers from diverse cultural backgrounds and native speakers in classroom and real-world situations.

Enrollment Requirement: A grade of 2.0 or higher in JAPN& 121 or equivalent with instructor consent. Eligible for JAPN& 121. The equivalent of JAPN& 121 is one year in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use hiragana, katakana, and kanji.
- Discuss requests with the te-form.
- Discuss likes and dislikes with noun phrases.
- Use informal speech with the plain form of verbs and adjectives.
- Discuss reasons with the plain form of verbs and adjectives.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JAPN& 123 - Japanese III

Credits: 5

A direct continuation of JAPN& 122. The focus of the course is the systematic study of Japanese vocabulary, grammar and kanji using the four basic skills of listening, speaking, reading and writing. Attained communicative competency can be applied to interactions with peers from diverse cultural backgrounds and native speakers in classroom and real-world situations.

Enrollment Requirement: A grade of 2.0 or higher in JAPN& 122 or equivalent with instructor consent. Eligible for ENGL 99. The equivalent of JAPN& 122 is two years in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use hiragana, katakana, and kanji.
- Discuss reasons with the plain form of verbs and adjectives.
- Describe people and things with noun-modifying clauses.
- Discuss past experiences with verbs in the plain past form.
- Express hearsay with verbs in the plain present and past forms.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JAPN 142 - Introduction to Japanese Life and Culture

Credits: 5

An introduction to traditional and modern Japanese culture. Works of fine/performance art, literature, and architecture throughout history as well as traditional cultural activities such as the tea ceremony will be introduced. Japan's history of marginalization (e.g.

native Ainu, Christians, outcasts), and imperialism and colonialism culminating in the Pacific War will be analyzed. Issues in contemporary Japanese society, namely the gender gap, an aging population, bullying, and social withdrawal will be examined. Modern popular media including film, manga, and anime will be explored. In English.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent. **Recommended:** College-level reading.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$4.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate understanding of elements of traditional Japanese culture such as history, art, and religion.
- Demonstrate understanding of elements of Japanese society such as family, education, and accompanying contemporary problems.
- Demonstrate understanding of elements of popular Japanese culture such as manga, anime, and film.
- Demonstrate intercultural competence for the understanding of a different culture necessary for travel or work.
- Demonstrate critical competencies such as interpersonal, critical thinking, problem solving, and oral and written communication skills acquired by working with peers from diverse backgrounds.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JAPN& 221 - Japanese IV

Credits: 5

A direct continuation of JAPN& 123. The focus of the course is the systematic study of Japanese vocabulary, grammar and kanji using the four basic skills of listening, speaking, reading and writing. Attained communicative competency can be applied to interactions with peers from diverse cultural backgrounds and native speakers in classroom and real-world situations.

Enrollment Requirement:

JAPN& 123 with a grade of 2.0 or higher; or instructor consent. Eligible for ENGL 99. The equivalent of JAPN& 123 is three years in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use hiragana, katakana, and kanji.
- Discuss advice and suggestions.
- Discuss requests and permission in formal situations.
- Discuss future plans with the volitional form and conditionals.
- Describe resultant state and results of intentional actions with intransitive and transitive verbs.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JAPN& 222 - Japanese V

Credits: 5

A direct continuation of JAPN& 221. The focus of the course is the systematic study of Japanese vocabulary, grammar and kanji using the four basic skills of listening, speaking, reading and writing. Attained communicative competency can be applied to interactions with peers from diverse cultural backgrounds and native speakers in classroom and real-world situations.

Enrollment Requirement:

JAPN& 221 with a grade of 2.0 or higher; or instructor consent. Eligible for ENGL 99. The equivalent of JAPN& 221 is four years in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use hiragana, katakana, and kanji.
- Discuss hypothetical situations and natural consequences with conditionals.
- Express giving and receiving depending on perspective and social status.
- Describe negative feelings caused by an event with passive speech.
- Express conjecture based on direct or indirect evidence.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JAPN& 223 - Japanese VI

Credits: 5

A direct continuation of JAPN& 222. The focus of the course is the systematic study of Japanese vocabulary, grammar and kanji using the four basic skills of listening, speaking, reading and writing. Attained communicative competency can be applied to interactions with peers from diverse cultural backgrounds and native speakers in classroom and real-world situations.

Enrollment Requirement: JAPN& 222 with a grade of 2.0 or higher; or instructor consent. Eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use hiragana, katakana, and kanji.
- Discuss favors and benefits with verbs of giving and receiving.
- Express permission or causation with the causative form.
- Express complaints with the causative-passive form.
- Produce extra polite speech with honorific expressions.
- Produce modest speech with humble expressions.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Journalism

JOURN 101 - Multimedia Journalism

Credits: 5

Teaches students how to write for the media, including print, online and broadcast media. Includes writing for public relations. Stresses newswriting mechanics, learning news style and newsroom terminology. Instructor encourages students to enroll in JOURN 104 and join the staff of The Current, Green River's print and online publication.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate their ability to write in clear, concise, journalistic prose.
- Demonstrate their critical reading skills.
- Demonstrate their willingness to read daily news stories.
- Recognize the elements of professional journalistic writing.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will

interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 103 - Introduction to Public Relations

Credits: 5

Provides an overview of the field of public relations from history to practice. Introduces writing, interviewing and publicity techniques and creating press kits and news releases for a variety of audiences.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Layout and design of print publications.
- Communicate visually through use of typography and graphics.
- Demonstrate good craftsmanship.
- Demonstrate creativity.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 104 - Newswriting

Credits: 3-5

Writing for news media; clarity in use of language, style and punctuation; sentence and paragraph structure and organization of stories; credibility of information and news judgment; basic methods of researching and writing. Weekly news discussions based on current events.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop, research and prepare publishable news products, including digital photographs, on deadline.
- Understand and respect the value of multiculturalism and diversity in media writing.
- Write clear and concise news stories and news features.
- Work cooperatively in a newsroom setting.
- Design and layout attractive print and online news products.
- Adhere to specialized style and organization requirements of media writing for print and online platforms.
- Develop, research and prepare news accounts that are accurate, fair, balanced and timely.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 105 - Advanced Newswriting

Credits: 3-5

Advanced writing for news media; clarity in use of language, style and punctuation; sentence and paragraph structure and organization of stories; credibility of information and news judgment; basic methods of researching and writing. Weekly news discussions based on current events.

Enrollment Requirement: JOURN 104 with a grade of 1.0 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop, research and prepare publishable news products, including digital photographs, on deadline.
- Understand and respect the value of multiculturalism and diversity in media writing.
- Write clear and concise news stories and news features.
- Work cooperatively in a newsroom setting.
- Design and layout attractive print and online news products.
- Adhere to specialized style and organization requirements of media writing for print and online platforms.
- Develop, research and prepare news accounts that are accurate, fair, balanced and timely.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 106 - News Laboratory 3

Credits: 3-5

Students gain additional experience as they write, edit, design, photograph and produce the digital and print versions of the student publication, The Current.

Enrollment Requirement: JOURN 105 with a grade of 1.0 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop, research and prepare publishable news products, including digital photographs, on deadline.

- Understand and respect the value of multiculturalism and diversity in media writing.
- Write clear and concise news stories and news features.
- Work cooperatively in a newsroom setting.
- Design and layout attractive print and online news products.
- Adhere to specialized style and organization requirements of media writing for print and online platforms.
- Develop, research and prepare news accounts that are accurate, fair, balanced and timely.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 107 - Introduction to Video Journalism

Credits: 5

Introduces students to the art of storytelling, stressing techniques such as narrative journalism, conversational interviewing, and use of natural sound and video sequence construction.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize and recall the essential elements of good storytelling.
- Think critically by critiquing information in terms of how it may interest and inform audiences.
- Create and produce visually compelling images.
- Capture engaging audio for use on its own or as a component to visual images.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 108 - Mobile and Social Media Journalism

Credits: 5

Critically examines how journalists and news organizations are using emerging forms of social media and mobile platforms. Students gain hands-on experience by experimenting with social media and mobile devices for news gathering, distribution, and audience engagement. Students will also learn how to use analytic tools to monitor and analyze the effectiveness of their mobile and social media activity.

Course Outcomes:

Students who successfully complete this class will be able to:

- Effectively use social media for news gathering, distribution, and audience engagement.
- Research and locate reliable information from social media to enhance your reporting, and identify misleading and unbalanced content.
- Gain the technical skills of mobile news gathering through the use of mobile devices and apps to gather, produce, and distribute news content.
- Create and enhance your own professional brand on social media platforms.
- Use analytics to monitor and analyze social media engagement and success.
- Understand the public's active role in the news production process, and the resulting impact on journalism.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 115 - Multimedia Writing and Creation

Credits: 5

In this hands-on course, students explore the basics of multimedia creation through projects and workshops. They learn an introduction to the theory and practice of podcasting, streaming, radio and TV broadcasting, social media content creation, script

writing, and news reporting.

Course Fee: 60.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and demonstrate the fundamentals of multimedia creation, including podcasting, streaming, radio and TV broadcasting, social media content creation, script writing, and news reporting.
- Demonstrate proficiency in operating basic broadcast and digital media equipment.
- Apply industry-accepted broadcasting techniques across various multimedia platforms.
- Recall and apply the proper procedures to fill out official FCC paperwork.
- Produce newscasts and implement relevant show prep techniques.
- Use evaluation and assessment practices for multimedia content.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 116 - Advanced Multimedia Writing and Creation

Credits: 5

In this hands-on course, students delve into the theory and practice of multimedia creation through projects and workshops. Building on foundational knowledge, they explore intermediate concepts in podcasting, streaming, radio and TV broadcasting, social media content creation, script writing, and news reporting.

Enrollment Requirement: JOURN 115 or instructor consent.

Course Fee: 60.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a comprehensive understanding of multimedia creation, including podcasting, streaming, radio and TV broadcasting, social media content creation, script writing, and news reporting.

- Exhibit advanced proficiency in operating broadcast and digital media equipment.
- Apply advanced industry-accepted broadcasting techniques across various multimedia platforms.
- Execute proper procedures for filling out official FCC paperwork related to multimedia broadcasting.
- Produce high-quality newscasts and implement advanced show prep techniques.
- Evaluate and assess multimedia content using industry standards and practices.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 125 - Podcasting Laboratory

Credits: 5

This hands-on course instructs students on how to take an idea for a podcast and make it a reality. Interviewing techniques and strategies for gaining an audience are emphasized. Students learn about developing narratives and how different styles of podcasts are produced while working hands-on with equipment and software. Instruction in podcast promotion, distribution and monetization is also featured.

Course Fee: 60.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand different styles of podcasts.
- Apply best practices in creating professional sounding audio.
- Understand and properly use professional audio recording equipment and editing techniques.
- Develop scriptwriting, interview, and content-creation skills for podcasts.
- Identify storytelling techniques and develop a narrative.
- Recognize the principles of distribution, promotion and monetization of podcasts.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will

interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 140 - Audio Editing for Digital Media

Credits: 5

Students are introduced to the fundamentals, technology and methods used in the audio production and broadcast industry. Students use Adobe Audition to learn audio recording and editing techniques for creating professional multitrack media products such as podcasts, interviews, radio promotions and music.

Course Fee: 50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate multitrack editing techniques to produce digital audio content.
- Demonstrate proper microphone technique for voice recordings.
- Integrate voice, music and sound effects into digital audio products.
- Recognize and correct problems in audio recordings.
- Demonstrate basic skills necessary for entry-level audio production jobs.

Program Outcomes

- Use their skills to apply for entrance into the wide field of broadcasting and digital media.
- Transfer to a four-year institution for additional learning in the field of broadcasting, digital media and communications.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 150 - Introduction to Broadcasting & Digital Media

Credits: 5

Offers the student an overview of the broadcast and digital media industry from the origin of radio to the domination of television. Continues with the growth of cable TV, satellite radio & TV, as well as digital media and social platforms.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of the basic technical aspects of broadcasting, cable, satellite and digital media.
- Demonstrate an understanding of the history of broadcasting, from the early inventors to the latest developments in the digital media industry.
- Demonstrate an understanding of the fundamental branches of the electronic media business: Management, Programming, Sales, and Technical.
- Demonstrate an understanding and appreciation of the basic radio formats, as well as local, network, cable television and digital media programming.
- Demonstrate an understanding of the role the FCC and U.S. Government play in regulating the broadcast, cable, satellite and digital media industries.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 152 - Broadcasting & Digital Media Management

Credits: 5

Covers radio management practices emphasizing the business of broadcasting. Includes sales, promotion, community relations, government regulations, demographics, programming, and modern applications such as digital delivery and social media usage.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a working knowledge of radio as show business, with emphasis on total radio station operations.
- Demonstrate the relationship between radio and the community, and the Federal government.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 156 - Sports Broadcasting and Play-by-Play Announcing

Credits: 3

This course immerses students in the dynamic world of sports broadcasting and play-by-play announcing, cultivating a deep appreciation for the art and science of broadcast and digital media. Emphasizing voice quality, articulation, enunciation, and pronunciation, students receive hands-on guidance to refine their skills. The curriculum covers the nuances of sports announcing for television, radio, and digital platforms.

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize the essential qualities of a successful sports broadcast professional and integrate them into their own sports media work.
- Analyze the historical evolution of sports broadcast announcing and its relevance in contemporary media landscapes.
- Apply techniques to manage and overcome performance anxiety specific to sports broadcasting and play-by-play.
- Develop effective bullet points and scripts tailored for sports broadcasting contexts.
- Explain the role of commercial endorsements and their integration into sports broadcast and digital media.
- Analyze and adapt accent modification techniques for effective sports broadcasting delivery.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 157 - Social Media & Broadcast Marketing

Credits: 5

Explores the role of social media, digital delivery, and other marketing tools as utilized by broadcast and digital media. Gives students detailed understanding of marketing, research, and sales at radio and television stations as well as new media and digital platforms.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a working knowledge of standard industry practices with regards to researching broadcast & digital media audiences, marketing radio, television, cable & satellite stations, and digital media to the audience.
- Demonstrate a working knowledge of selling advertising on radio, television & cable stations as well as on digital platforms.
- Demonstrate an understanding of the potential for expanding the reach of broadcast & digital media through social media, the internet and other digital delivery.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 165 - Careers in Digital Media

Credits: 2

Examines careers in digital media such as social media manager, video journalist, content editor, multimedia producer, on-air personality and more. Students will learn the expectations and real-world demands to successfully perform and interact in these fast-paced, ever-changing fields. Students will learn about various job pathways and how to showcase their skills and knowledge to future employers.

Course Outcomes:

Students who successfully complete this class will be able to:

- Establish an action plan for a career in digital media.
- Determine best practices and responsibilities of various digital media industry roles.
- Recognize key aspects of daily life at digital media companies.
- Demonstrate productive self-reflection with regard to your professional and personal goals.
- Develop a digital media portfolio to demonstrate your professional abilities to employers, graduate school committees, and friends and family.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 198 - Independent Study-Journalism 1

Credits: 1-5

Encourages students to study and develop independently in journalism. Students develop their own focus area and objectives in consultation with the instructor.

Enrollment Requirement: JOURN 101 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Complete a special project to be agreed upon by student and instructor, based upon the general objective of further learning and development in the field of journalism.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 199 - Independent Study-Journalism 2

Credits: 1-5

Encourages students to study and develop independently in journalism. Students develop their own focus areas and objectives in consultation with the instructor.

Enrollment Requirement: JOURN 198 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Complete a special project to be agreed upon by student and instructor, based upon the general objective of further learning and development in the field of journalism.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 205 - Radio Management

Credits: 5

Students will learn additional skills as part of the management team at our broadcast radio stations (KGRG and KGRG-FM). Planning, organizing, managing events and staff are practiced as preparation for advanced careers in broadcasting.

Enrollment Requirement: JOURN 115 or instructor consent.

Course Fee: \$60.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the daily management of a radio station.
- Demonstrate skills of working with others in a pre-professional setting.
- Demonstrate industry-accepted on-the-air techniques.
- Demonstrate management and leadership skills.
- Create a job interview-quality aircheck & resume.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

JOURN 251 - Journalism Internship 1

Credits: 3

Students work for a local media company 10 hours per week each quarter and meet one hour a week with an instructor to evaluate their on-the-job training.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Work on a newspaper, magazine, radio station or television studio at least 10 hours a week working with professionals.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 252 - Journalism Internship 2

Credits: 3

Students work for a local media company 10 hours per week each quarter and meet one hour a week with an instructor to evaluate their on-the-job training.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Work on a newspaper, magazine, radio station or television studio at least 10 hours a week working with professionals.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 253 - Journalism Internship 3

Credits: 3

Students work for a local newspaper or radio station 10 hours per week each quarter and meet one hour a week with an instructor to evaluate their on-the-job training.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Work on a newspaper, magazine, radio station or television studio at least 10 hours a week working with professionals.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 298 - Independent Study-Journalism 3

Credits: 1-5

Encourages students to study and develop independently in journalism. Students develop their own focus areas and objectives in consultation with the instructor.

Enrollment Requirement: JOURN 199 and instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

JOURN 299 - Independent Study-Journalism 4

Credits: 1-5

Encourages students to study and develop independently in journalism. Students develop their own focus areas and objectives in consultation with the instructor.

Enrollment Requirement: JOURN 199 and instructor consent.

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

Apply relevant criteria and standards when evaluating information in terms of how it will interest and inform their audience.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Latin American Studies

LAS 190 - Latin American Culture Through Literature

Credits: 5

Introduces the study of Latin American culture through important works of literature that explore the complex social relations and culture of the region. Analyzes how Latin American literature has reflected cultural changes throughout the history of the region such as the impact of the conquest and slavery; the influence of patriarchy/machismo and Marianism in gender relations; the problematic relations with the U.S., the history of dictatorship and social revolution in Latin America. Focuses on preparing students to understand Latin America to be prepared to function in our globalized world. Previously HUMAN 190. Cross-listed with SPAN 290

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Comprehend the usefulness of literary works to understand Latin American societies, histories and their complex social mixture of African, European and indigenous American constructions.
- Understand the main periods of the evolution of Latin American literature and their social and political contexts throughout the history of the region.
- Connect the socio-political changes within different Latin American societies with the evolution of its literature.
- Develop critical thinking tools to analyze the multiple identities, histories, cultures, perspectives, contributions, knowledge and/or strategies of historically excluded groups in Latin America in some of the literature they produced;
- Develop skills to travel, work, understand, and be sensitive to our Latin American neighbors.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

LAS 191 - Latin America in Film

Credits: 5

Explores the relationship between film and cultural interpretation and understanding of Latin America. Considers the history of cinema in Latin America. Focuses on how film has been used to interpret Latin American culture and how we can use it to understand Latin American past and present with special emphasis on discussing the complex history and social problems of the region. Also explores common stereotypes with which Latin America has been portrayed in mainstream U.S. movies. No knowledge of Spanish language required. Previously HUMAN 191. Cross-listed with FILM 191.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop the ability to interpret and discuss "art movies" that deal with cultural, political and historical issues.
- Examine questions related to the impact of colonization and imperial relations in Latin America.
- Develop a general knowledge of Latin American history and culture.
- Identify the stereotypes with which Latin America has been portrayed in mainstream U.S. movies.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

LAS 193 - Andean & Amazonian Culture: Continuity and Change

Credits: 5

An introduction to Andean and Amazonian cultures from both historical and contemporary perspectives, exploring the cultural diversity and resilience of the peoples

within these regions. Focusing on the territories of present-day Bolivia, Ecuador, Peru, Chile, Colombia, Venezuela, the Guianas, and Brazil, the course examines cultural continuities and transformations over time. Topics include symbolic practices across art, ritual, myth, and music; the influence of indigenous knowledge and environmental relationships; the persistence of communal structures like the ayllu; and the cultural dynamics of conquest and colonialism. Through themes such as indigenous cosmovision, Andes-Amazonia connections, cultural syncretism, and contemporary social movements, students will gain a deep understanding of how the region's cultures have been shaped by internal and external forces, fostering an appreciation for their unique contributions to Latin America. Possible thematic rotations include symbolic continuity and ritual practices, representations of colonialism and cultural contact, indigenous knowledge systems, modern social movements, and Andean-Amazonian interactions.

Enrollment Requirement: Eligible for ENGL 99 - Introductory Composition or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- **Familiarize** students with key aspects of Andean and Amazonian cultures, including cultural practices, historical narratives, and contemporary social issues.
- **Understand** the impact of social and cultural processes on Andean and Amazonian communities, recognizing influences of indigenous knowledge and environmental adaptations.
- **Critically analyze** continuity and change in Andean and Amazonian social and cultural contexts, with the ability to assess how historical dynamics impact present-day issues.
- **Interpret** the relationships between cultural practices and environmental contexts in the Andes and Amazon, recognizing how these interactions shape worldviews, cosmologies, and social structures within indigenous communities.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

LAS 195 - Special Topics in Latin American Studies: Interdisciplinary Explorations of Culture and Identity

Credits: 5

Provides an in-depth exploration of rotating topics that highlight key issues, narratives, and cultural expressions in Latin America. Each quarter, the course offers a new thematic focus, enabling the examination of diverse subjects ranging from visual and popular cultures, literature, and media to social and historical movements. Possible topics include Latin American comics, photography, folklore, "monstrous" representations, indigenous narratives, and Afro-Latin American identities. By integrating interdisciplinary methods and perspectives, students will engage critically with topics that reflect Latin America's complex cultural landscapes, including identity formation, indigenous and Afro-Latin American traditions, transnationalism, and the representation of marginal voices. Through readings, discussions, and multimedia resources, students will deepen their understanding of Latin American experiences and cultural dynamics.

Enrollment Requirement: Eligible for ENGL 99 - Introductory Composition or instructor consent.

Satisfies Requirement: Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- **Identify** key cultural, historical, or social themes relevant to the selected topic of the quarter in Latin American Studies.
- **Analyze** how interdisciplinary perspectives (such as cultural studies, visual studies, etc.) contribute to a nuanced understanding of Latin American issues.
- **Critically evaluate** primary and secondary sources to examine Latin American identity, representation, and socio-cultural transformations.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

LAS 200 - Latin American Women: Struggles and Literature

Credits: 5

Introduces the study of Latin American Women's struggles through important literature produced by Latin American women, to explore the historical construction of masculinity and femininity in the region, the role of politics and ideologies in that construction, the intersection of gender, race, class, ethnicity and nationality and the social movements that have impacted the lives of women in the region. Previously HUMAN 200.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the intersections of gender, race, politics, power, social structures and history in Latin America.
- Discuss the relation of Latin American women issues to the conquest and subsequent imperial domination's in the region.
- Understand the impacts of patriarchy/machismo, marianismo/malinchismo in gender relations in Latin America.
- Assess how literature and art produced by Latin American women reflects, question and advance the causes of women.
- Appraise the emergence of feminist ideas and organizations in Latin America, their conflicts with "First World Feminism," and their relations with non-feminist women organizations.
- Recognize and apply the basic principles and conventions of effective written communication about the subject.
- Use their critical thinking abilities by examining the following elements of thought not only in the reading materials but also in the answers provided by other classmates: points of view, purpose, question at issue, implications and consequences, assumptions, concepts, conclusion and solutions.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

LAS 201 - Africa in Latin America: From Language to Food to Music and Dance

Credits: 5

Introduce students to the study of the socio-cultural experiences of peoples of African descent in the Spanish, French, and Portuguese speaking countries of Latin America and the Caribbean, from the period of the transatlantic slave trade to more recent migration movements. Focusing on the linguistic, literary, culinary, musical, and dancing contributions of Africans and their descendants in this region, the course will deal with issues of enslavement, racism and discrimination, resistance and survival, as well as their contributions to the cultural richness of Latin America.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the intersections of colonialism, race, gender, politics, power, social structures, language, and history in Latin America and the Caribbean as they relate to the enslavement of Africans and its aftermath in the region.
- Explain the impacts of the enslavement of Africans and its consequences for the development of distinctive cultural characteristics of Latin America and the Caribbean, particularly in relation to the dominant colonial languages (Spanish, French, Portuguese).
- Assess how literature, music, dance, and art produced by Afro-Latin Americans reflect, question, and advance the causes of *Afro-Latinidad* in the region.
- Recognize and apply the basic principles and conventions of effective written communication about the subject.
- Examine the following elements of thought not only in the reading materials but also in the answers provided by other classmates: points of view, purpose, question at issue, implications and consequences, assumptions, concepts, conclusion, and solutions.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Machining and Manufacturing Technology

MFG 101 - Introduction to Machining and Manufacturing

Credits: 1-13

Emphasizes beginning conventional machine tool operation and includes use and care of tools and instruments used in measurement, layout and inspection. Safety to self and others is stressed in the operation of pedestal grinders, drill presses, conventional lathes, and milling machines. Occupational health and safety are taught.

Enrollment Requirement: Eligible for READ 104 and Instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Plan a machining job with the correct sequence of operations to produce a work piece to the specifications on the drawing.
- Calculate correct cutting speeds and feeds on both lathes and milling machines.
- Select the correct tooling for basic lathe and milling machine operations.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, dial indicators, and do precision layout.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned work piece.

- Produce a manually milled work piece.
- Use hand tools correctly and safely.
- Use precision measuring instruments correctly.
- Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 102 - Conventional Milling and Turning

Credits: 1-13

Introduces progressively more difficult operations on conventional lathes and milling machines with an emphasis on job planning sequence, attention to blueprint specifications, setting up equipment for safe operation, speeds and feeds calculations, proper selection of tooling and work holding, as well as work piece layout and final inspection processes.

Enrollment Requirement: MFG 101 with a grade of 2.0 or higher; eligible for READ 104 and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Plan a machining job with the correct sequence of operations to produce a work piece to the specifications on the drawing.
- Calculate correct cutting speeds and feeds on both lathes and milling machines.
- Select the correct tooling for basic lathe and milling machine operations.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, dial indicators, and do precision layout.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned work piece.
- Produce a manually milled work piece.
- Use hand tools correctly and safely.
- Use precision measuring instruments correctly.
- Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 103 - Conventional and Computer Numerical Control (CNC) Machining Level 1

Credits: 1-13

Emphasizes advanced calculations and machining operations on conventional lathes, milling machines, and surface grinders and their accessories. Introduces the basics of CNC programming and machining.

Enrollment Requirement: MFG 102 with a grade of 2.0 or higher; Reading requirement - Eligible for READ 104 and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Plan a machining job with the correct sequence of operations to produce a work piece to the specifications on the drawing.
- Calculate correct cutting speeds and feeds on both lathes and milling machines.

- Correctly produce a basic program for a CNC milling machine.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, dial indicators, and do precision layout.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned work piece.
- Produce a manually milled work piece.
- Produce a surface-ground work piece.
- Produce a CNC machined work piece.
- Use precision measuring instruments correctly.
- Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 104 - Conventional and Computer Numerical Control (CNC) Machining Level 2

Credits: 1-13

Emphasizes more advanced calculations and machining operations on conventional lathes, milling machines, and surface grinders and their accessories. Includes basic CNC milling and turning operations and introduces CAD/CAM software.

Enrollment Requirement: MFG 103 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Plan a machining job with the correct sequence of operations to produce a work piece to the specifications on the drawing.
- Calculate correct cutting speeds and feeds on both lathes and milling machines.
- Correctly produce a basic program for a CNC milling machine.
- Produce parts to drawing specifications on both conventional and CNC machine tools.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, dial indicators, and do precision layout.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned work piece.
- Produce a manually milled work piece.
- Produce a surface-ground work piece.
- Produce a CNC machined work piece.
- Use precision measuring instruments correctly.
- Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 105 - Intermediate Computer Numerical Control (CNC) Machining

Credits: 1-13

Emphasizes more advanced calculations and machining operations on CNC milling and turning centers and includes more extensive use of CAD/CAM software.

Enrollment Requirement: MFG 104 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Do a CNC machining job with the correct sequence of operations to produce a work piece to the specifications on the drawing.
- Calculate correct cutting speeds and feeds on both lathes and milling machines.
- Correctly produce a basic program for a CNC milling machine.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, dial indicators, and do precision layout.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a CNC machined work piece.
- Use precision measuring instruments correctly.
- Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 106 - Special Machining Practices

Credits: 1-13

A capstone course in which learners refine their skills working independently to produce final projects using conventional or CNC machine tools and CAD/CAM software.

Enrollment Requirement: MFG 105 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Do a machining job with the correct sequence of operations to produce a work piece to the specifications on the drawing.
- Select the correct tooling and work holding devices for more advanced machining operations.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, and dial indicators.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned work piece.
- Produce a manually milled work piece.
- Produce a surface-ground work piece.
- Produce a CNC machined work piece.
- Use hand tools correctly and safely.
- Use precision measuring instruments correctly.
- Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 107 - Fundamentals of Additive Manufacturing

Credits: 3

Provides an overview of the build process used in additive manufacturing, and discusses the general steps involved in most additive manufacturing (AM) procedures. Important topics include creating or downloading 3D computer models, converting those models to AM-compatible file formats, setting up and running an AM machine (3D Printer), part removal and post-processing.

Enrollment Requirement: Eligible for READ 104 and instructor consent.

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how AM system users can protect themselves against common mechanical, electrical, thermal, and airborne hazards.
- Demonstrate the use and understanding of personal protective equipment (PPE), lockout/tag-out procedures, Hazard Communication Standards (HCS), and Safety Data Sheets (SDS).
- Demonstrate an understanding of the eight basic steps involved in creating an AM product.
- Be able to demonstrate understanding of Spatial Visualization by describing the following terms: Orthogonal Coordinate System, Build Platform, Orientation, and Mental Rotation.
- Apply Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) skills learned to the operation of a 3D printer.
- Demonstrate an understanding of the Cartesian coordinate system.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Use precision measuring instruments correctly.
- Produce a correctly sequenced job/build plan.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 108 - Intermediate Additive Manufacturing

Credits: 3

Provides an in depth look at Fused Filament Fabrication (FFF), Stereolithography (SLA) printing and discusses advanced slicer settings used to fine tune printing cycle time and quality. Important topics include material selection, choosing the proper settings to best fit the use of the part(s), printing to reduce post-processing, and additive manufacturing filament recycling.

Enrollment Requirement: MFG 107 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how AM system users can protect themselves against common mechanical, electrical, thermal, and airborne hazards.
- Demonstrate the use and understanding of personal protective equipment (PPE), lockout/tag-out procedures, Hazard Communication Standards (HCS), and Safety Data Sheets (SDS).
- Demonstrate material knowledge, and proper application of each material.
- Be able to describe the material recycling theory and application.
- Apply Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) skills learned to the operation of a 3D printer to reduce cycle time.
- Demonstrate variable setups to reduce post-processing and material waste.
- Show, through iterations, how different setting configurations improve print quality.
- Describe proper build plate arrangements to improve printer movement efficiency.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Use precision measuring instruments correctly.
- Produce a correctly sequenced job/build plan.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 109 - Advanced Additive Manufacturing

Credits: 3

Provides an in-depth look at Applied Rapid Prototyping and Hybrid Manufacturing. Important topics include: material selection based on prototype function, ensuring dimensional stability of prototypes, maintaining parts surface finish quality, and post-processing prototypes using multi-axis Computer Numerical Controlled (CNC) machining processes.

Enrollment Requirement: MFG 108 and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how Additive Manufacturing (AM) system users can protect themselves against common mechanical, electrical, thermal, and airborne hazards.
- Demonstrate the use and understanding of personal protective equipment (PPE), lockout/tag-out procedures, Hazard Communication Standards (HCS), and Safety Data Sheets (SDS).
- Demonstrate material knowledge by selecting the proper material based on prototype form and function.
- Accurately measure printed parts using precision tools such as calipers and micrometers.
- Apply Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) skills learned to the operation of a 3D printer to reduce cycle time.
- Demonstrate variable setups to reduce post-processing and material waste.
- Select print configurations to improve print quality and dimensional stability.
- Process parts to comply with engineering, client and blueprint requirements.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Use precision measuring instruments correctly.
- Produce a correctly sequenced job/build plan.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work

products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 115 - Reading Engineering Drawings

Credits: 2

Modular, group-paced course that teaches basic reading and interpretation of orthographic and isometric mechanical drawings specific to the manufacturing industry. Includes basic geometric dimensioning and tolerancing (GD&T). Emphasizes details, relevant manufacturing requirements, and industry standards and terminology.

Enrollment Requirement: Instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret basic orthographic and isometric drawings, including auxiliary and sectional views.
- Interpret current ANSI symbols, terms, abbreviations, lines, materials specifications, notes, thread specifications, tolerances and all title-block information, as well as basic geometric tolerancing and dimensioning features.

Program Outcomes

Read blueprints correctly.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MFG 162 - Applied Materials for Manufacturing

Credits: 2

Modular, group-paced course that includes basic introduction to the manufacture and structure of metals, the effects of alloying elements and heat treatment of steel, as well as various destructive and non-destructive testing methods. Emphasizes metallurgy in manufacturing processes and machinability of various types of materials.

Enrollment Requirement: Instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use basic vocabulary associated with metals and heat treating processes.
- Interpret the SAE/AISI designation system for steels and aluminums.
- Describe the effects of various heat treatment processes.
- Explain the effects of various alloying elements on machinability of metals.
- Explain the use of Rockwell and Brinell hardness testers and convert between scales.
- Explain the procedure and significance of tensile and other material tests.

Program Outcomes

Identify and describe basic tool and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

MFG 163 - Training and Practice

Credits: 1-4

Provides training and practice in the safe and efficient set-up and operation of all basic machine tools, including machine accessories, measuring tools and inspection equipment. Instruction is geared toward those interested only in skills rather than certification.

Enrollment Requirement: Instructor consent.

Course Fee: \$11.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Observe all occupational health and safety rules.
- Plan a lathe and a milling machine job with the correct sequence of operations to produce a work piece to the specifications on the blueprint.
- Calculate correct cutting speeds and feeds on both lathe and milling machine.
- Select the correct tooling for basic lathe and milling machine operations.
- Correctly use micrometers, dial calipers, vernier scales, steel rules, dial indicators, and do precision layout.
- Given a detailed drawing and materials, set-up and operate machine tools to produce a work piece within specified tolerances.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a manually turned workpiece.
- Produce a manually milled workpiece.
- Produce a surface-ground workpiece.
- Produce a CNC machined workpiece.
- Use hand tools correctly and safely.
- Use precision measuring instruments correctly.
- Read blueprints correctly.
- Produce a correctly sequenced job/build plan.
- Identify and describe basic tools and project materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

MFG 168 - Mastercam Level One

Credits: 1-13

Introduction to Mastercam, including geometry, contouring, and tool paths. No CNC shop machining performed.

Enrollment Requirement: Instructor consent.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create geometry from blueprints in Mastercam.
- Create tool paths in Mastercam.
- Create CNC programs in Mastercam.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Read blueprints correctly.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MFG 169 - Mastercam Level Two

Credits: 1-13

Continuation of beginning Mastercam, including geometry, contouring, and tool paths. No CNC shop machining performed.

Enrollment Requirement: Instructor consent.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create two and three-dimensional geometry from blueprints in Mastercam.

- Create tool paths for two and three-dimensional geometry in Mastercam.
- Create CNC programs from two and three-dimensional tool paths in Mastercam.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Read blueprints correctly.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MFG 177 - Manufacturing Work Experience

Credits: 1-13

offers learners an opportunity to work full- or part-time in manufacturing jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: MFG 105 with a grade of 2.0 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Use precision measuring instruments correctly.
- Produce a correctly sequenced job/build plan.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MFG 178 - Computer Numerical Control CNC Manufacturing Work Experience

Credits: 1-13

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Network with people in professional settings.
- Work with others in their field of interest.
- Adjust to specific aspects of a career.
- Improve previously acquired skills in CNC machining.

Program Outcomes

- Demonstrate accuracy and safety in the completion of manufacturing tasks.
- Produce a CNC machined workpiece.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Mechatronics Technician**MTX 100 - Mechatronics Technician 1**

Credits: 1-13

Introduction and hands-on experience with fundamental hydraulic and pneumatic systems. Students acquire industry and workplace safety standards and practices, as well as essential interpersonal communication skills. Basic computer skills are highly recommended: Windows, Internet, and Email.

Enrollment Requirement: Eligible for MATH 70 or above.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify basic hydraulic components and explain their functions.
- Build and test basic industry-specific hydraulic circuits.
- Read, write, and explain basic hydraulic schematics.
- Identify basic pneumatic components and their functions.
- Build and test basic industry-specific pneumatic circuits.
- Read, write, and explain basic pneumatic schematics.

Program Outcomes

- Work as a mechatronics technician.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.

- Explain the consequences of failure to comply with company and basic safety principles

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MTX 110 - Mechatronics Technician 2

Credits: 1-13

Further explores hydraulic and pneumatic systems through instruction and hands-on experience. Fundamental AC/DC electrical concepts will also be introduced. Students acquire industry and workplace safety standards and practices, as well as essential interpersonal communication skills. Basic computer skills are highly recommended: Windows, Internet, and Email.

Enrollment Requirement: MTX 100 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify intermediate hydraulic components and explain their functions.
- Build and test intermediate industry-specific hydraulic circuits.
- Read, write, and explain intermediate hydraulic schematics.
- Identify intermediate pneumatic components and their functions.
- Build and test intermediate industry-specific pneumatic circuits.
- Read, write, and explain intermediate pneumatic schematics.
- Identify basic electrical components and explain their functions.
- Build and test basic industry specific electrical circuits.

Program Outcomes

- Work as a mechatronics technician.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.
- Explain the consequences of failure to comply with company and basic safety principles.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MTX 120 - Mechatronics Technician 3

Credits: 1-13

Advanced knowledge and skills of hydraulic and pneumatic systems through instruction and hands-on experience. Students will develop an understanding of electro-fluid power. Students acquire industry and workplace safety standards and practices, as well as essential interpersonal communication skills. Basic computer skills are highly recommended: Windows, Internet, and Email.

Enrollment Requirement: MTX 110 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify advanced hydraulic components and explain their functions.
- Build and test advanced industry-specific hydraulic circuits.
- Read, write, and explain advanced hydraulic schematics.
- Identify advanced pneumatic components and their functions.
- Build and test advanced industry-specific pneumatic circuits.
- Read, write, and explain advanced pneumatic schematics.
- Build and test electro-fluid power systems.

Program Outcomes

- Work as a mechatronics technician.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.
- Explain the consequences of failure to comply with company and basic safety principles.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MTX 130 - Mechatronics Technician 4

Credits: 1-13

Applies skills and knowledge gained in previous courses to troubleshoot hydraulic systems. Students will begin to develop an understanding of power and control electronics and electrical relay controls. Students acquire industry and workplace safety standards and practices, as well as essential interpersonal communication skills. Basic computer skills are highly recommended: Windows, Internet, and Email.

Enrollment Requirement: MTX 120 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform basic troubleshooting and fault identification in hydraulic systems.
- Identify and use basic power and electronic measuring equipment.
- Identify and use relay controls for industrial purposes.
- Read, write, and explain advanced hydraulic schematics.
- Read, write, and explain intermediate electrical schematics.

Program Outcomes

- Work as a mechatronics technician.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.
- Explain the consequences of failure to comply with company and basic safety principles.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MTX 140 - Mechatronics Technician 5

Credits: 1-13

Introduction to PLC programming through instruction and hands-on application of PLC simulation software. Students will gain knowledge and skills in PLC programming and AC motor drives. Students acquire industry and workplace safety standards and practices, as well as essential interpersonal communication skills. Basic computer skills are highly recommended: Windows, Internet, and Email.

Enrollment Requirement: MTX 130 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and understand the use of PLC components and their functions.
- Perform basic PLC programming.
- Explain and use the ladder logic method of programming.
- Explain other PLC programming languages.
- Identify and use AC Motor Drives.
- Identify and use AC Variable Frequency Drives.

Program Outcomes

- Work as a mechatronics technician.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.
- Explain the consequences of failure to comply with company and basic safety principles.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MTX 150 - Mechatronics Technician 6

Credits: 1-13

Students will develop Programmable Logic Controllers (PLC) troubleshooting skills through instruction and hands-on experience. Students will also gain the fundamental skills and knowledge to program multiple variations of PLCs. Students will work on core training needed to implement, and program, robotics and automation through the use of digital and analog inputs and outputs.

Enrollment Requirement: MTX 140 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Test, troubleshoot, and modify PLC systems.
- Perform intermediate PLC programming.
- Identify and understand the use of Siemen's PLC's components and their functions.
- Perform Siemen's PLC programming.
- Troubleshoot a hydraulic system.
- Learn the fundamentals of robotics and automation
- Perform Universal Robotic core programming
- Identify and understand the use of Universal Robots 'e-Series" robotic components and their functions.

Program Outcomes

- Work as a mechatronics technician.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Troubleshoot and repair hydraulic, pneumatic, electrical and electronic industrial equipment.
- Explain the consequences of failure to comply with company and basic safety principles.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Management

MGMT 300 - Organizational Leadership

Credits: 5

Learn to apply leadership concepts to make an impact on teams within organizations, communities, and society. Topics include team dynamics, leading people, leading by example, leading projects, creating goals, and setting expectations.

Enrollment Requirement: Admission into the BAS in Applied Management program and BUS& 101, BUS 121 and BUS 258; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply organizational leadership theories at a variety of levels within the organization including personal, individual, team, and system.
- Analyze personal inventory of strengths and how they can be used in leadership development.
- Utilize theories and course content to develop strategies that enhance individual, team, and organizational performance.
- Describe the role that trust, accountability, vulnerability, communication, and emotional intelligence play in leading individuals, teams, and organizations.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.

- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MGMT 301 - Leadership Development: Leading Self

Credits: 2

Learn to apply leadership practices to make an impact on teams within organizations, communities, and society. Topics include emotional intelligence, strengths-based leadership, high-performance leadership behaviors.

Enrollment Requirement: Admission into the BAS in Applied Management program; and ENGL& 101; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize and apply a variety of leadership theories and practices to their own leadership development.
- Apply leadership theories and practices to better understand their strengths as a leader.
- Utilize leadership theories to construct an emotional intelligence development plan. growth plan utilizing emotional intelligence.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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MGMT 302 - Leadership Development: Leading Others

Credits: 2

Learn to apply leadership practices to make an impact on teams within organizations, communities, and society. Topics include team dynamics, leading people, leading by example.

Enrollment Requirement: Admission into the BAS in Applied Management program; and ENGL& 101; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply leadership theories to select, develop, and coach others to achievement in the workplace.
- Demonstrate an understanding of group dynamics and effective teamwork through interaction by utilizing best practices, models, and frameworks.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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MGMT 303 - Leadership Development: Leading Function & Orgs

Credits: 1

Learn to apply leadership practices to make an impact on teams within organizations, communities, and society. Topics include leading projects, creating goals, and setting expectations.

Enrollment Requirement: Admission into the BAS in Applied Management program; and ENGL& 101; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Given a business scenario, students will act systematically to address organizational complexity, culture, change, and risk.
- Utilize leadership theories to set an organizational vision and deploy strategic thinking, engagement, and innovation practices.

Program Outcomes

- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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MGMT 310 - Research in Marketing

Credits: 5

Learn to formulate marketing goals by utilizing market research methods to collect, analyze, and evaluate marketing data and information. Topics include market research methods, data analysis and interpretation, research proposals, communicating research, and strategic applications of research.

Enrollment Requirement: Admission into the BAS in Applied Management program; and MATH& 141 or MATH 147; and ENGL& 101; and BUS& 101; and BUS 121; or

instructor consent. **Recommended:** MATH 256

Course Outcomes:

Students who successfully complete this class will be able to:

- Contrast marketing research methods in terms of effectiveness, accuracy, cost, and required resources.
- Differentiate major types of measurement techniques in data collection methods.
- Analyze data obtained using marketing research.
- Construct market research project proposal that specifies research goals and methods.
- Propose marketing strategy recommendations utilizing results obtained from marketing research.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Use organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MGMT 315 - Organizational Design

Credits: 3

Learn effective organizational design in both traditional and innovative organizations, with special emphasis on organizational structures that can provide strategic advantage. Topics include when to use functional, divisional, or matrix organizations, and examples of high-engagement organizational cultures.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze organizational effectiveness by diagnosing and evaluating organizational culture, values, and structure.
- Develop a framework for evolving organizational design elements and relationships by applying organizational theories to a business scenario.
- Summarize the relationship between leadership, organizational design, and effectiveness.
- Examine how management and organizational design can lead to a strategic advantage.
- Design an organizational structure for a business utilizing organizational design theories.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MGMT 320 - Human Resources Management

Credits: 5

Examines the role of the human resource professional as a strategic partner in managing today's organizations. Topics include recruitment, selection, development, appraisal, retention, compensation, employment law, and labor relations.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and BUS 258; and ENGL& 101; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create a recruitment plan by evaluating job description, creating a recruitment process, and developing a strategy for selecting and hiring an employee.
- Analyze an organization's talent management program by utilizing effective learning theories and best practices for employee training and development.
- Analyze the effectiveness of an organization's compensation and benefits by applying a Total Rewards perspective that integrates tangible rewards, employee benefits, and intangible rewards.
- Apply various employment laws to a business scenario and determine the potential impact on an organization.
- Explain the tactical and strategic role Human Resources plays in creating a high performance candidate.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.

- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MGMT 325 - Human Resources Operations

Credits: 5

Focuses on the tactical and operational tasks related to workforce management and the HR function. Topics included: HR operations, Compensation & Benefits and Employee Relations. Prepares students for the Associate Professional in Human Resources (aPHR) exam.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101, BUS 121, and BUS 258; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the tactical and operational tasks related to workforce management and the HR function including policies, procedures and programs related to legal & regulatory compliance.
- Explain concepts related to total rewards such as pay and benefit programs.
- Respond to employee questions and be able to handle claims related to compensation & benefit programs.

- Describe the methods organizations use to monitor and address morale, performance, and retention.
- Analyze the operational needs of the organization with the well-being of the individual employee.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Use organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Demonstrate professional and persuasive communication to internal and external stakeholders, both orally and in writing.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MGMT 335 - Marketing Communications and Planning

Credits: 5

Learn to develop, measure, and evaluate an integrated marketing communications plan.

Topics include situational and competitive analysis, target market segmentation, creative strategy, media planning and selection, social media management, budget determination, and measuring effectiveness of promotional program.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; and MGMT 395; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the concept of integrated marketing communications and how it relates to various components of the marketing mix.
- Outline a marketing strategy that integrates situational analysis, competitive analysis, and target market analysis.
- Develop a creative strategy that encompasses definition of target audience, key selling ideas, desired brand image, and tactics for creative execution.
- Construct a media plan that accomplishes predetermined objectives for targeting, reach, frequency, and creative strategy.
- Critique the media selection for a promotional program based on the objectives for the promotional program.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MGMT 340 - Business Project Management

Credits: 5

Examines the theories and best practices for completing projects on time, on budget, and to specification. Students learn to apply knowledge and skills to effectively initiate, plan, execute, and complete projects. Software-based project management tools are discussed. Course aligns with current PMBOK Guide.

Enrollment Requirement: Admission into the BAS in Applied Management program; and ENGL& 101; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define a project and how it contrasts with ongoing operations.
- Identify stakeholders.
- Write project charter, scope of work, communications plan, and responsibility matrix.
- Examine risks to a project and methods for mitigating those risks.
- Build a Work Breakdown Structure.
- Identify task relationships and schedule tasks based on available resources.
- Estimate project costs and timelines.
- Rebalance project schedule and understand impact to cost, schedule, and quality.
- Explain keys to building a strong project team and solving common project problems.
- Examine methods for monitoring project and closing out project.
- Utilize common project management software tools to assist scheduling, estimating, and monitoring of project.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.

- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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MGMT 344 - Corporate Finance I

Credits: 5

A survey of business financial practices. Topics include financial analysis, planning and control, net present value, and CVP analysis.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and BUS 258; and ENGL& 101; or admission into the BAS in Accounting program; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret relevant financial information for businesses.
- Construct basic budgets.
- Demonstrate an understanding of net present value and the time value of money.
- Apply CVP analysis to make management decisions.

Program Outcomes

- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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MGMT 345 - Corporate Finance II

Credits: 5

A continuation of corporate finance. Topics include: Risk and return, managing working capital, capital investment, sources and costs of financing and valuation.

Enrollment Requirement: Admission into the BAS in Applied Management program; MGMT 344; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compare risk and return with regard to investment and financing decisions.
- Explain techniques to manage working capital.
- Summarize the sources and costs of various financing options.
- Calculate the value of a business using various valuation methods.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.

- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

MGMT 350 - Developing Products

Credits: 5

Learn how to identify, design, produce, test, and evaluate a new product. Topics include identification of market opportunities, generation of product concepts, feasibility analysis, prototyping, supplier selection, production planning, and testing.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; and MGMT 395; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Justify market opportunity for a new product using analysis of target market, competition, and other components of the business environment.
- Generate multiple product concepts that address market opportunity.
- Analyze feasibility of product concepts in terms of design, manufacturing, and cost.
- Develop plan for creating and testing prototype of product concept.
- Compose a product development plan that includes product specifications, supplier identification, performance testing, and financial analysis of project.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.

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MGMT 360 - Business Development and Sales Management

Credits: 5

Learn to integrate business development and selling strategies to effectively create productive buyer-seller relationships. Topics include strategic prospecting, personal selling strategies, organizational relationships, managing the sales funnel, and developing sales proposals.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; or instructor consent. **Recommended:** BUS 159

Course Outcomes:

Students who successfully complete this class will be able to:

- Outline the processes and strategies needed to create a productive buyer-seller relationship.
- Implement successful sales management practices.
- Formulate a sales strategy including key performance indicators for a given sales scenario.
- Demonstrate communication techniques used by industry professionals.
- Construct a business development scenario that utilizes e-platforms, strategic prospecting, and sales and business analysis tools.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.

- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
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MGMT 361 - Negotiations

Credits: 3

Learn to integrate negotiation strategies to effectively maximize outcomes and secure agreements between two or more parties. Topics include applying interest-based negotiations principles and developing options for mutual gain.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101, BUS 121 and BUS 258; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the impact of interpersonal styles, personality, culture, and other variables that influence negotiations.
- Explain effective small group communication strategies in areas such as conflict management and resolution.
- Critique strategies for effective negotiations based on a negotiations scenario.
- Demonstrate interest-based negotiations principles.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
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College-wide Outcomes

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MGMT 385 - Business Operations Management

Credits: 5

Learn to apply operations management methods to increase results and streamline processes in small to medium-sized businesses. Topics include forecasting, process and facility selection, work design, production planning and scheduling, process improvement, and quality control.

Enrollment Requirement: Admission into the BAS in Applied Management; and BUS& 101; and BUS 258; and MATH& 141 or MATH 147; or instructor consent.

Recommended: MATH 256 and/or MGMT 340

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the role of operations management for maximizing competitiveness and productivity.
- Determine product and service capacity needs using multiple forecasting methods.
- Critique options for process selection, facility layout, and work design based on a firm's business objectives and forecast.
- Construct production plan that meets a firm's objectives for lead times, inventory levels, capacity, and cost.
- Estimate the cost-benefit of process and quality improvement initiatives, including those encompassing principles of Lean, Six Sigma, and SPC.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
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MGMT 395 - Marketing Management

Credits: 5

Examines how managers develop, implement, and evaluate strategic marketing decisions to maximize long-term profitability of a firm. Topics include analysis of

competitor behavior, product line management, and long-term road mapping of product and branding strategy.

Enrollment Requirement: Admission into the BAS in Applied Management; and BUS& 101; and BUS 121; and ENGL& 101; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop marketing strategies for products at different stages of the product life cycle.
- Modify a product line based on the firm's marketing strategy, the business environment, and the product's stage in the product life cycle.
- Critique a firm's roadmap for product mix in terms of its effect on customer acquisition, customer retention, and market positioning.
- Formulate strategies to maximize customer acquisition and retention.
- Design marketing strategies that leverage the core competencies of the firm with forces of the business environment.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
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MGMT 400 - Applied Professional and Career Development

Credits: 3

Facilitates student development in the world of work through highly experiential and reflective learning focused on personal, professional, and career growth. Topics include personal branding, networking, interviewing, career planning, and continued professional development.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101, BUS 121 and BUS 258; or admission into the BAS in Accounting program; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a personal branding strategy that effectively communicates core values, skills, strengths, and value proposition to appropriate stakeholders.
- Create a career development plan that can be utilized for identifying and attaining professional opportunities.
- Deploy networking strategies to expand current network and create potential career opportunities.
- Construct, format, and tailor a professional resume, digital profile, or portfolio.
- Demonstrate an understanding of the behavioral interview process by participating in simulated behavioral interviews.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
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MGMT 403 - Diversity, Equity & Inclusion in the Workplace

Credits: 2

Using research, best practices, and the experience from leaders in diversity, equity & inclusion (DEI), participants will gain insights and practice essential leadership skills and behaviors that help foster diverse, equitable, and inclusive teams and organizations.

Enrollment Requirement: Admission into the BAS in Applied Management program; BUS& 101, BUS 121 and BUS 258; or admission into the BAS in Accounting program; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify examples of different forms of bias and develop strategies to reduce their adverse impact on creating diversity, equity, and inclusion in the workplace.
- Examine the critical role of leadership in developing and executing actions necessary to dismantle systematic injustices and move a workplace to an equitable and inclusive climate.
- Describe and identify prejudice reduction methods to improve psychological safety in work groups.
- Apply best practices in diversity, equity and inclusion to develop organizational strategies that create a cognitively diverse, equitable, and inclusive workplace.
- Examine intersectionality and social positionality in business management to develop culturally responsive management methods.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Use organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
- Demonstrate professional and persuasive communication to internal and external stakeholders, both orally and in writing.
- Construct operations and project plans that efficiently and effectively leverage organizational resources.
- Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

College-wide Outcomes

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MGMT 405 - Corporate Social Responsibility

Credits: 2

Learn to integrate corporate social responsibility (CSR) strategies into core business objectives to create value and positive social change. Topics include the shareholder-stakeholder controversy, triple-bottom-line analyses, supplier sourcing, employee considerations, and the global environment.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; or instructor consent. **Recommended:** MGMT 385

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the concepts, frameworks, consumer demands, and value chain related to corporate social responsibility (CSR).
- Explain the ways in which multinational companies manage business and human rights liability.
- Create a value framework with key performance indicators to guide CSR decision-making.
- Critique CSR strategies in a business case, focusing on the maximization of output and social impact.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
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MGMT 420 - Business Strategy

Credits: 5

Learn to develop and execute strategic plans that create and sustain a competitive

advantage in a given market. Topics include techniques for analyzing firm capabilities, competitive environments, and strategic positioning; and tactics for implementing strategic plans across an organization; and analysis of business models.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; and MGMT 345 and 395; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Conduct an analysis of a firm's capabilities using multiple strategic frameworks.
- Analyze the competitiveness of an industry using Porter's Five Forces model.
- Construct a positioning map of an industry.
- Develop a strategic plan that addresses a firm's goals and capabilities.
- Contrast common business models according to revenue model and position in the value chain.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
- Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
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College-wide Outcomes

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designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MGMT 425 - Business Analysis

Credits: 5

Learn techniques for analyzing business opportunities, improving processes, and making rational decisions that maximize value and limit risk. Topics include value stream mapping, structured analysis techniques such as linear programming and sensitivity analysis, and foundations for sound decision-making.

Enrollment Requirement: Admission into the BAS in Applied Management program; and BUS& 101; and ENGL& 101; and MGMT 345, 385 and 395; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Construct a value stream map of an organization's processes.
- Contrast methods of structured analysis for decision making.
- Use linear programming to determine the optimal sales mix.
- Develop a sensitivity analysis for a given business scenario.
- Outline the foundations for sound decision making.

Program Outcomes

- Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
- Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
- Analyze financial data to explain organizational performance and identify business opportunities in a given market.
- Apply organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Mathematics

MATH 30 - Support Course for MATH& 107

Credits: 2

Support course for MATH& 107 that covers pre-college topics needed in MATH& 107 - Math in Society. The course must be taken concurrently with MATH& 107. Study of fractions, percents, exponents, roots, functions, formulas, linear equations, and study skills strategies. This is a pass/no credit course.

Enrollment Requirement: MATH 72 or TS/TS-OD 57 with a 2.5 or higher, or appropriate math placement; and concurrent enrollment in MATH& 107.

Recommended: READ 104, ENGL 97

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use order of operations to evaluate expressions including those with fractions, integer exponents, and square roots.
- Calculate with and convert between fractions, decimals, and percentages.
- Give the definition of a function and interpret function notation.
- Solve linear equations.
- Identify values in applications and use them to evaluate formulas.
- Describe study skills strategies.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 31 - Support Course for MATH& 141

Credits: 2

Support course for MATH& 141 that covers pre-college topics needed in MATH& 141 - PreCalculus I. The course must be taken concurrently with MATH& 141. Study of factoring, exponents, complex fractions, graphing, linear equations, linear inequalities, quadratic equations, literal equations, graphing calculator, and study skills strategies. This is a pass/no credit course.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher, or appropriate math placement; and concurrent enrollment in MATH& 141. **Recommended:** READ 104, ENGL 97

Course Outcomes:

Students who successfully complete this class will be able to:

- Factor polynomials.
- Simplify expressions using exponent rules.
- Solve linear inequalities.
- Simplify complex fractions.
- Graph linear and quadratic functions.
- Find the equation of a line.
- Solve literal and quadratic equations.
- Perform basic functions on a graphing calculator.
- Describe study skills strategies.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 36 - Support Course for MATH& 146

Credits: 2

Support course for MATH& 146 that covers pre-college topics needed in MATH& 146 - Introduction to Statistics. The course must be taken concurrently with MATH& 146. Study of linear graphing, rounding, scientific notation, exponents, order of operations, linear equation solving, square roots, and linear inequalities. The course emphasizes problem-solving techniques, critical thinking, and study skills to prepare students for statistical analysis. This is a pass/no credit course.

Enrollment Requirement: MATH 72 or TS/TS-OD 57 with a grade of 2.5 or higher, or appropriate math placement; and concurrent enrollment in MATH& 146.

Recommended: READ 104, ENGL 97

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Convert between decimal, percentage, and fractional numbers.
- Use order of operations to evaluate expressions including those with fractions, integer exponents, and square roots.
- Use inequalities to represent and analyze relationships between quantities.
- Convert numbers between scientific and standard notation.
- Solve linear and literal equations.
- Graph and interpret linear equations.
- Describe study skills strategies.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 39 - Support Course for MATH 109

Credits: 2

Support course for MATH 109 that covers pre-college topics needed in MATH

109 - Mathematical Models in Gaming. The course must be taken concurrently with MATH 109. Study of functions, formulas, fractions, percents, exponents, roots, linear equations, and study skills strategies. This is a pass/no credit course.

Enrollment Requirement: MATH 72 or TS/TS-OD 57 with a 2.5 or higher, or appropriate math placement; and concurrent enrollment in MATH 109. **Recommended:** READ 104, ENGL 97

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify values in applications and use them to evaluate formulas.
- Give the definition of a function and interpret function notation.
- Use order of operations to evaluate expressions including those with fractions, integer exponents, and square roots.
- Solve linear equations.
- Calculate with and convert between fractions, decimals, and percentages.
- Describe study skills strategies.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 70 - Pre-Algebra

Credits: 5

Study of problem solving, geometry and measurement, exponents, fractions, percents, and signed numbers. Includes introductory work with polynomials and basic descriptive statistics.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform operations with fractions, decimals, and integers, including order of operations.

- Convert between percents and fractions and solve percent problems.
- Apply geometry and measurement concepts.
- Perform operations with integer exponents.
- Simplify basic polynomial expressions.
- Calculate basic descriptive statistics.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 72 - Elementary Algebra

Credits: 5

Study of graphing, solving linear equations and inequalities, unit analysis, ratios, rates, proportions, solving systems of equations, Pythagorean Theorem, and applications. Course requires a graphing calculator.

Enrollment Requirement: MATH 70 or TS/TS-OD 56 with a grade of 2.5 or higher; or appropriate math placement.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Solve linear equations, linear inequalities, systems of linear equations, and literal equations.
- Convert between the graph and the equation of a line.
- Use unit analysis to convert measurements.
- Solve ratio, rate, and proportional reasoning problems.
- Apply the Pythagorean Theorem to solve problems.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.

- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 97 - Intermediate Algebra

Credits: 5

Study of the definition of a function; graphs and solutions of quadratic, rational, radical, and literal equations; complex numbers; radical expressions; variation; and applications. Graphing calculator required.

Enrollment Requirement: MATH 72 or TS/TS-OD 57 with a grade of 2.5 or higher; or appropriate math placement.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and graph functions and interpret function notation.
- Solve rational, radical, and quadratic equations.
- Perform operations with rational, radical, and quadratic equations and expressions containing rational exponents.
- Derive linear and quadratic equations.
- Apply the mathematical techniques of the course to practical applications.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 107 - Math in Society

Credits: 5

Study of various mathematical topics including growth models, finance, statistics, and probability. Additional topics may include voting theory, fair division, networks, scheduling, apportionment and other fields.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or either MATH 72 or TS/TS-OD 57 with a grade of 2.5 or higher and concurrently enrolled in MATH 30 Support Course for MATH& 107 ; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Calculate compound interest income.
- Calculate payments for the amortization of a loan and deposits for annuity accumulation.
- Use linear and exponential growth models to make predictions.
- Identify different types of samples of a population.
- Analyze data from censuses, surveys, and comparative experiments.
- Graph data using box plots and histograms.
- Calculate and analyze descriptive statistics including mean, median, standard deviation, and quartiles.
- Describe sample spaces and calculate the probability of events in a random experiment.
- Solve modern application problems.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 108 - Contemporary Math for Information Technology

Credits: 5

Study of a variety of mathematical topics related to information technology, including routes and networks, scheduling, statistics, probability, the decimal, binary and hexadecimal number systems, logic gates and Boolean algebra.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Solve routing problems using Euler circuits, Hamilton circuits, minimum network problems using spanning trees and scheduling problems using directed graphs.
- Calculate and analyze descriptive statistics including mean, median, standard deviation, and quartiles.
- Describe sample spaces and calculate the probability of events in a random experiment.
- Graph and analyze data that has an approximate normal distribution.
- Convert between decimal, binary and hexadecimal numbers.
- Perform addition, subtraction, and multiplication on binary numbers.
- Write truth tables and Boolean algebra expressions for simple combinations of logic gates.
- Simplify simple logic gate circuits using Boolean algebra, DeMorgan's Theorem and the Duality Theorem.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 109 - Mathematical Models in Gaming

Credits: 5

Study of modeling using functions, algebraic equations, probability, and expected value, focused on the context of gaming. Includes elementary function growth analysis and game theory.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or MATH 72 or TS/TS-OD 57 with a grade of 2.5 or higher and concurrently enrolled in MATH 39 - Support Course for MATH 109; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create functions modeling gaming and real-world situations.
- Compute a weighted average.
- Compare growth rates of functions.
- Describe sample spaces and calculate the probability of an event in a random experiment.
- State and apply basic rules of probability.
- Compute an expected value and apply it to decision making.
- Explain how a mathematical model can be used to answer questions about a gaming or real-world situation.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 131 - Mathematics for Elementary Education 1

Credits: 5

Introduces problem-solving techniques, number theory, set theory, and numeration

systems related to topics taught at the K-8 level. Recommended for prospective or practicing elementary and middle school teachers, paraeducators, parents, and others who help educate children in grades K-8. Previously MATH& 171.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply problem solving models to number system concepts.
- Identify sources of mathematics standards and summarize major strands of NCTM or Washington state standards.
- Apply knowledge about features of our base ten number system to analyze other number systems.
- Describe the concept of a whole number as well as relationships between them (order, divisibility, factorization, and common factors/multiples).
- Use mental math and a variety of different algorithms, including methods used in other societies, for operations with whole numbers, integers and fractions.
- Use manipulatives to represent the operations with whole numbers, integers and fractions.
- Analyze common error patterns in students' computations and demonstrate how alternative algorithms can reduce those errors.
- Apply various problem-solving techniques to different learning styles, such as visual methods, kinesthetic approaches, and verbal reasoning.
- Simulate classroom scenarios using role-playing and peer teaching.
- Examine teaching methods used historically and globally, and examine the role of mathematics in different cultures.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 132 - Mathematics for Elementary Education 2

Credits: 5

Covers the mathematics elementary teachers are responsible for teaching at K-8 levels, including polyhedra, polygons, symmetry, tessellations, size changes, curves and curved surfaces, transformations, length, angles, area and surface area, volume, measure formulas; quantifying uncertainty, simulating probabilistic situations, sampling, and organizing and interpreting data with one and two variables. Previously MATH& 172.

Enrollment Requirement: MATH& 131 with a grade of 2.0 or higher or appropriate math placement. Courses may be taken out of sequence with instructor permission.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and use multiple problem-solving strategies to solve a variety of problems.
- Define and compute length, area, surface area, and volume for regular and irregular 2-D and 3-D objects.
- Compare and discuss advantages and disadvantages of both standard and non-standard units.
- Identify sources of mathematics standards and summarize major strands of the NCTM Standards or Washington State standards.
- Use the concepts of congruency and similarity to prove or justify geometric claims.
- Analyze data from censuses, surveys, and comparative experiments.
- Graph data using box plots and histograms.
- Calculate and analyze descriptive statistics including mean, median, standard deviation, and quartiles.
- Describe sample spaces and calculate the probability of events in a random experiment.
- Implement differentiated instruction methods, such as scaffolded learning, visual supports, and hands-on manipulatives, to address a wide range of learning abilities.
- Identify and integrate connections between mathematics and other disciplines, such as science, history, art, and economics.
- Evaluate the effectiveness of instructional strategies and adapt those to the diverse needs of students.
- Examine how educators in different cultural contexts have historically approached mathematics teaching and how these practices can inform modern inclusive pedagogy.
- Integrate technology such as dynamic geometry software, virtual manipulatives, and educational apps to engage visual and auditory learners.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 141 - PreCalculus I

Credits: 5

Study of piecewise, absolute value, power, polynomial, rational, exponential, and logarithmic functions and their applications; algebraic combinations of functions; composition of functions; inverse functions; transformations. Graphing calculator required.

Enrollment Requirement: MATH 97 with a grade of 2.5 or higher; or MATH 97 with a grade of 2.0 or higher AND concurrently enrolled in MATH 31 - Support Course for MATH& 141; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand and use function notation and terminology.
- Perform operations with combinations and compositions of functions as well as inverse functions.
- Analyze graphical behavior of functions, including transformations.
- Graph and identify important properties of linear, piecewise, power, polynomial, rational, exponential, logarithmic and absolute value functions.
- Solve equations, inequalities and application problems.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.

- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 142 - PreCalculus II

Credits: 5

Study of trigonometric functions and their applications, inverse trigonometric functions, trigonometric equations, trigonometric identities, solutions of right and oblique triangles, vectors, polar coordinates, and parametric equations. Graphing calculator required.

Enrollment Requirement: MATH& 141 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Convert between the graph of a circle and its equation, and perform geometric calculations involving circles and portions of circles.
- Graph and understand the properties of trigonometric functions and their inverse functions.
- Apply the triangle definitions of the trigonometric functions.
- Apply trigonometric identities.
- Solve trigonometric equations.
- Analyze and graph parametric and polar equations.
- Graph and perform basic operations with vectors.
- Solve application problems.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 146 - Introduction to Statistics

Credits: 5

Introduction to the analysis of statistical studies, descriptive statistics, basic probability, sampling distributions, hypothesis testing, confidence intervals, and correlation.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or either MATH 72 or TS/TS-OD 57 with a grade of 2.5 or higher and concurrently enrolled in MATH 36 - Support Course for MATH& 146; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define and use common statistical terminology.
- Identify the major categories of experimental designs and sampling methods.
- Identify common sources of bias in surveys and experiments.
- Construct and interpret frequency distributions, histograms, scatterplots, and box plots.
- Calculate and interpret measures of center and spread.
- Use correlation and linear regression to find the association between variables.
- Calculate probabilities and percentiles using the normal distribution and the central limit theorem.
- Calculate confidence intervals for means and proportions.
- Perform t-tests for single means and Chi Square tests.
- Calculate probabilities using basic elements of probability theory, such as sample spaces, the addition rule, and the multiplication rule.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 147 - Finite Mathematics-Business and Social Science

Credits: 5

Study of graphs and solutions of linear equations, systems of equations, matrices, linear inequalities and linear programming, the simplex method, piecewise defined, quadratic, polynomial, rational exponential and logarithmic functions, and financial formulas. Many problems and examples are drawn from the fields of business, economics, and social science. Graphing calculator required.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Solve systems of linear equations.
- Interpret the results of solutions to equations and inequalities.
- Perform matrix operations.
- Solve linear inequalities and linear programming problems.
- Solve equations involving quadratic, polynomial, rational, exponential or logarithmic functions.
- Use interest and annuity formulas to solve finance problems.
- Use function notation and terminology.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 148 - Business Calculus

Credits: 5

Study of differential and integral calculus of polynomial, logarithmic and exponential functions. Many problems and examples are drawn from the fields of business, economics, and social science. Graphing calculator required.

Enrollment Requirement: MATH& 141 or MATH 147 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Calculate the average and instantaneous rates of change.
- Apply and interpret the limit definition of the derivative.
- Apply rules for differentiation.
- Solve related rates problems.
- Apply the first and second derivative tests and interpret their graphical implications.
- Set up and solve optimization problems.
- Find antiderivatives of polynomials and exponential functions.
- Use Riemann sums to estimate the definite integral.
- State and apply the Fundamental Theorem of Calculus.
- Apply integration to problems in business and economics.
- Calculate partial derivatives.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 151 - Calculus I

Credits: 5

The first course of a four-quarter calculus sequence. Introduces students to differential calculus and related applications. Topics include limits, derivatives of algebraic and

transcendental functions, optimization, linearization, numerical methods, modeling.
Graphing calculator required.

Enrollment Requirement: MATH& 142 with a grade of 2.0 or higher; or appropriate placement math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate limits of functions and use limits to determine continuity.
- Find the derivative of functions using the definition, and understand the derivative as a rate of change.
- Find the derivatives of functions including exponential, logarithmic, and trigonometric.
- Apply the various rules and techniques of differentiation such as the power, product, quotient, chain rules, and implicit differentiation.
- Apply derivatives to solve application problems, and determine the behavior of functions.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 152 - Calculus II

Credits: 5

The second course of a four-quarter calculus sequence. Introduces students to integral calculus and related applications. Topics include antiderivatives of algebraic and transcendental functions, the Fundamental Theorem of Calculus, techniques of integration, areas, volumes, moments and centers of mass, numerical methods.
Graphing calculator required.

Enrollment Requirement: MATH& 151 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use Riemann sums to find areas and define an integral.
- Apply the Fundamental Theorem of Calculus.
- Find antiderivatives using a variety of techniques including substitution, tables, integration by parts and partial fractions.
- Approximate definite integrals using numerical techniques, such as the trapezoid rule, Simpson's method, calculator/computer programs, and geometry.
- Apply integration techniques to solve problems involving areas, volumes, arc length, centroids, average value, and introductory differential equations.
- Find limits using l'Hopital's rule.
- Evaluate improper integrals.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 163 - Calculus III

Credits: 5

The third course of a four-quarter calculus sequence. Introduces students to series representations of functions, as well as calculus concepts in higher dimensions. Topics include Taylor series, vectors, three-dimensional space and surfaces, vector-valued functions, multivariable functions, partial derivatives, and double integrals. Graphing calculator required. Previously MATH& 153.

Enrollment Requirement: MATH& 152 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Represent functions as power series.
- Use Taylor polynomials to approximate functions.
- Graph and perform operations with 2D and 3D vectors, and apply vectors in geometry and science.
- Write equations of lines and planes using vectors.
- Represent three-dimensional points, surfaces, and equations using the Cartesian coordinate system.
- Represent curves using vector-valued functions.
- Compute and apply domain, limits, derivatives, and antiderivatives of a vector-valued function.
- Determine domains, ranges, limits and continuity for multivariate functions.
- Compute and apply partial derivatives.
- Compute and apply double integrals.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 194 - Special Topics-Mathematics

Credits: 1-5

Study of specialized mathematical topics. Topics presented depend upon interest and staffing. Possible areas of study include number theory, probability, logic, mathematics for parents, and computer applications. This is a pass/no credit course.

Enrollment Requirement: Instructor consent and eligible for READ 104.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an in-depth understanding of a specific topic.
- Design and execute a research project to explore the topic.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 238 - Differential Equations

Credits: 5

Study of the theory and solutions of first and second order differential equations, existence and uniqueness theorems, numerical methods of solution, and applications. Additional topics may be chosen from the following: series solutions for differential equations, systems of linear differential equations, Laplace transforms, and stability theory. Graphing calculator required.

Enrollment Requirement: MATH& 254 with a grade of 2.0 or higher; or concurrent enrollment in MATH& 254; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Solve separable, exact and linear first order differential equations.
- Solve higher order linear or Cauchy-Euler differential equations.
- Apply the theory of differential equations to solve problems from various disciplines.
- Apply the existence and uniqueness theorems to first and second order equations.
- Apply direction fields and numerical methods to approximate solutions.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 240 - Topics in Linear Algebra

Credits: 5

Study of systems of linear equations, vector spaces, matrices and matrix equations, eigenvalues and eigenvectors, linear transformations, and applications. Graphing calculator required.

Enrollment Requirement: MATH& 163 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the solution set of a system of linear equations.
- Apply Gaussian and Gauss-Jordan elimination.
- Find the inverse of an invertible matrix.
- Apply equivalent properties of matrix invertibility.
- Identify vector spaces.
- Find a basis for a vector space.
- Normalize a set of vectors.
- Find and apply the eigenvalues and eigenvectors of a matrix.
- Find the least squares approximation of a system of linear equations.
- Identify and apply linear transformations.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.

- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH& 254 - Calculus IV

Credits: 5

The fourth course of a four-quarter calculus sequence. Introduces students to functions of two and three variables; limits and continuity; partial differentiation; gradients; multiple integration; iterated integrals; vector analysis including such topics as divergence, curl, line integrals, and the fundamental theorems of vector calculus. Graphing calculator required.

Enrollment Requirement: MATH& 163 with a grade of 2.0 or higher; or appropriate math placement.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine domains, ranges, limits and continuity for multivariate functions.
- Compute and apply partial derivatives.
- Compute and apply double and triple integrals.
- Convert rectangular integrals into polar, cylindrical or spherical integrals.
- Compute and apply line integrals.
- Find the divergence and curl for vector fields.
- Compute surface integrals using Stokes' Theorem and the Divergence Theorem.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 256 - Statistics for Business and Social Science

Credits: 5

Study of descriptive and inferential statistics; boxplots, histograms and scatterplots; introduction to design of experiments; measures of central tendency; frequency distributions; probability distributions; sampling and sampling distributions; hypothesis testing; confidence intervals; and linear regression.

Enrollment Requirement: MATH& 141 or MATH 147 with a grade of 2.0 or higher; or appropriate math placement. **Recommended:** Eligible for READ 104.

Satisfies Requirement: Natural Science and Quantitative Skills

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define and use common statistical terminology.
- Identify the major categories of experimental designs and sampling methods.
- Identify common sources of bias in surveys and experiments.
- Construct and interpret frequency distributions, histograms, pie charts, and box plots.
- Calculate and interpret the measures of center and spread.
- Carry out a linear regression analysis of paired data.
- State and apply the basic axioms and theorems of probability.
- State and apply the central limit theorem.
- Calculate confidence intervals and conduct hypothesis tests for one and two samples using the standard normal, Student-t, and Chi square distributions.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 294 - Special Topics in Mathematics

Credits: 1-5

Focuses on special topics in math that are not part of the regular curriculum. Content varies from course to course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an in-depth understanding of a specific topic.
- Design and execute a research project to explore the topic.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATH 297 - Independent Study-Mathematics

Credits: 1-5

Encourages students to independently study an area or topic of special interest in mathematics. Students meet on a tutorial basis with the instructor.

Enrollment Requirement: MATH& 148, MATH& 151 or MATH 256 with a grade of 2.0 or higher and instructor consent.

Course Fee: \$2.00

Course Outcomes:

Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.

- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATHM 70 - Pre-Algebra-Resource Module

Credits: 1-2

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 70. Recommended for students who want extra work in MATH 70 and for those who need to work on specific skills to prepare for MATH 70. Students use software to learn standard concepts from MATH 70. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 70. A minimum of 22 hours of work must be completed to receive one credit, 44 hours for two credits. This is a pass/no credit course.

Enrollment Requirement: A student cannot be enrolled in more than one math modules class (MATHM 70, MATHM 72, MATHM 97) at the same time.

Course Fee: \$12.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform operations with fractions, decimals, and integers in an algebraic environment including order of operations.
- Apply geometry and measurement concepts including the Pythagorean theorem.
- Perform operations with integer exponents.
- Simplify basic polynomial expressions.
- Solve simple equations.
- Calculate basic descriptive statistics.
- Graph points onto the Cartesian coordinate system.
- Use resources available to students on campus such as the Math Learning Center.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATHM 72 - Elementary Algebra-Resource Module

Credits: 1-2

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 72. Recommended for students who want extra work in MATH 72 and for those who need to work on specific skills to prepare for MATH 72. Students use software to learn standard concepts from MATH 72. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 72. A minimum of 22 hours of work must be completed to receive one credit, 44 hours for two credits. This is a pass/no credit course.

Enrollment Requirement: A student cannot be enrolled in more than one math modules class (MATHM 70, MATHM 72, MATHM 97) at the same time.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Solve linear equations, linear inequalities, systems of linear equations, and literal equations.
- Convert between the graph and the equation of a line.
- Simplify polynomials and expressions involving integer exponents.
- Factor quadratic expressions.
- Identify functions and use function notation.
- Use unit analysis to convert measurements.
- Solve ratio, rate, and proportional reasoning problems.
- Apply the Pythagorean Theorem to solve problems.
- Use resources available to students on campus such as the Math Learning Center.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MATHM 97 - Intermediate Algebra-Resource Module

Credits: 1-2

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 97. Recommended for students who want extra work in MATH 97 and for those who need to work on specific skills to prepare for MATH 97. Students use software to learn standard concepts from MATH 97. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 97. A minimum of 22 hours of work must be completed to receive one credit, 44 hours for two credits. This is a pass/no credit course.

Enrollment Requirement: A student cannot be enrolled in more than one math modules class (MATHM 70, MATHM 72, MATHM 97) at the same time.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and graph functions and interpret function notation.
- Solve rational, radical, and quadratic equations.
- Perform operations with rational, radical, and quadratic equations and expressions containing rational exponents.
- Derive linear and quadratic equations.
- Apply the mathematical techniques of the course to practical applications.
- Use resources available to students on campus such as the Math Learning Center.

Program Outcomes

- Recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- Correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- Translate data into various formats such as symbolic language, equations, graphs, and formulas.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

Music

MUSC 101 - Fundamentals of Music

Credits: 5

Covers basic note and rhythm reading, chords and scales, aural skills and fundamentals of songwriting. Includes an examination of chord symbols and progressions, melody, lyrics and form.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper musical notation skills.
- Aurally identify and notate simple intervals and simple rhythmic patterns.
- Identify scales, keys, intervals, triads, clefs, meter, rhythm, and chords.
- Demonstrate basic sight-singing skills in tonal music.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 102 - Global Pop Music

Credits: 5

Investigates the effect ethnicity, gender/sexuality, religion, marginalization, globalization,

and social justice has on pop music. We will look at how local (traditional) and global (post-rock n' roll/pop) music is used by different cultures as a way to express identity and global membership. Class covers a range of musical genres from K-pop to Afrobeat.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the way that global popular music aesthetics in the post-rock era are incorporated into and fused with indigenous music practices (e.g. K-pop, Bollywood, and Afrobeat).
- Produce a project that looks more in-depth into one specific global popular music.
- Identify the music and instruments of a selection of musical traditions and how they are used as symbols of indigeneity (e.g. Australian didgeridoo, Shona mbira, and Andean panpipes).
- Compare how popular music borrow from the popular music of other countries to associate with social movements (e.g. the use of African-American funk by Fela Kuti and Afrobeat or the use of reggae music as part of the Black Power Movement in Brazil).
- Discuss the effects of ethnicity, gender/sexuality, religion, globalization, and social justice on pop music.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 103 - American Popular Music

Credits: 5

Discusses the study of the history and genesis of American popular music from its birth to the present day. Students study and listen to folk music, Dixieland and jazz, Broadway shows, rock and roll and current musical trends.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss musical styles instrumental to the formation of American popular music (e.g. Appalachian folk music, blues, jazz, gospel, rock & roll, and bluegrass).
- Identify the musical language and instrumentation of a selection of musical traditions (e.g. fiddle, banjo, and trumpet).
- Identify the origins and influences of American popular music (e.g. West African diaspora, Irish jigs, European Christian hymns).
- Investigate issues of marginalization, cultural appropriation, and oppression in the formation of racial identity and expression (e.g. blackface minstrelsy, soul, and rap).
- Examine how music is used as a resistance against oppression (e.g. abolition songs, protest music of the Vietnam era, funk, and hip-hop).
- Discuss the influence of popular music globally in the post-Rock era as a form of globalization and Western cultural imperialism.
- Demonstrate fluency with past and current innovations in the music industry (e.g. stage, recording industry, and digital media).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 104 - Music in World Culture

Credits: 5

Introduces the traditional music of cultures from around the world, including practices that have been in decline after centuries of imperialization and globalization. Through this process we will aim to decolonize music studies by focusing on "othering" of local practices in an effort to decentralize the Western gaze of American academia.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss musical styles of historically marginalized people.
- Identify the music and instrumentation of a selection of musical traditions (e.g. griot music of the Mande people from Mali, Quechua kantu music of Bolivia, or khoomei singing of Tuva).
- Write about the history of music studies in Western academia the practices have continued the "othering" of non-European musical traditions.
- Analyze the processes of Western imperialism and the decline of indigenous music practices.
- Compare different systems of cultural preservation (e.g. UNESCO, government preservations systems, and education programs).
- Compare how traditional music practices have been used for social justice movements (e.g. Shona mbira music and the use in Chimurenga during the War of Black Liberation in Zimbabwe, or Chilean nueva cancion).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC& 105 - Music Appreciation

Credits: 5

Introduces the music of the great master composers beginning with the elements of music and progressing through the common style periods. Includes listening lab.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the elements of Western art music along with comparison pieces from non-Western cultures (e.g. melody, harmony, rhythm, word-music relationships, form, texture).
- Explain the philosophies and characteristics of each Western musical era and what changes developed to cause a shift to a new era.
- Explain the historical significance and characteristics of composed music from different Western musical eras from the Middle Ages to the 20th century.
- Recognize compositions (masterworks) and composers who brought forth major musical innovations and contributions to the Western music landscape in each musical era.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 107 - History of Jazz

Credits: 5

Jazz is the first uniquely American music and has a rich and exciting history, as well as a profound impact on American and world culture. Introduces the students to jazz as a body of music and as a product of a fascinating dialog within and between cultural spheres: African diasporic, American, and African American.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify musical styles and genres instrumental to the formation of jazz.
- Identify instrumentation important to the development of the history of jazz.
- Identify the origins and influences of jazz music (e.g. field cries, blues, Christian hymns).
- Investigate issues of marginalization, cultural appropriation, and oppression in the formation of racial identity and expression (e.g. blackface minstrelsy, rural and Delta blues).
- Examine how music is used as resistance against oppression (e.g. cool jazz, free jazz, bebop).
- Discuss the impact of jazz on American popular culture and world music cultures.
- Identify musicians notable to the development of jazz music (e.g. Louis Armstrong, Miles Davis, and Charlie Parker).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 108 - Computer Music 1

Credits: 5

Introduction to computer assisted notation, composition and performance using a computer, digital keyboard, and software for notation and digital sequencing.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify terms and concepts related to music technology.
- Recognize relevant events in the development of computer music and music technology.
- Apply basic computer music skills to professional music software.
- Compose and produce original computer music and/or sound art using basic sound production techniques.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 109 - Computer Music 2

Credits: 5

A continuation of MUSC 108 with more in-depth study and use of digital of audio workstation (DAW) software. Students will begin to work with basic mixing and master procedures, study procedures in effects processing, and be introduced to the history of electronic music prior to 1960.

Enrollment Requirement: MUSC 108 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize relevant events and historical trends in the development of computer music and music technology up to 1960.
- Discuss concepts related to computer music.
- Apply computer music skills to professional music software.
- Compose original computer music and/or sound art using sound production techniques including basic mixing, mastering, and effects processing.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 110 - Computer Music 3

Credits: 5

A continuation of MUSC 109 with additional study and use of digital audio workstation (DAW) and/or notation software. Students will continue to work with mixing and mastering procedures, effects processing, different plug-in types, and study the history of electronic music through the 1980s.

Enrollment Requirement: MUSC 109 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize relevant events and historical trends in the development of computer music and music technology through the 1980s.
- Apply computer music skills to professional music software.
- Compose original computer music and/or sound art using sound production techniques.
- Present original computer music and/or sound art projects to the campus community.
- Discuss topics related to computer music.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 118 - Concert Choir 1

Credits: 1-3

Students prepare and present selected choral works. Gives an in-depth study of fundamentals of vocal production. One required evening performance each quarter.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to match pitch.
- Demonstrate correct posture and proper vocal technique.
- Recognize historical trends in choral repertoire.
- Apply proper vocal technique and musical interpretation in a final performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 119 - Concert Choir 2

Credits: 1-3

Continuation of MUSC 118. Students prepare and present selected choral works. Gives an in-depth study of fundamentals of vocal production. One required evening performance each quarter.

Enrollment Requirement: MUSC 118.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to match pitch.
- Demonstrate correct posture and proper vocal technique.
- Recognize historical trends in choral repertoire.
- Apply proper vocal technique and musical interpretation in a final performance.
- Demonstrate leadership in their singing section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 120 - Concert Choir 3

Credits: 1-3

Continuation of MUSC 119. Gives an in-depth study of fundamentals of vocal production. One required evening performance each quarter.

Enrollment Requirement: MUSC 119.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to match pitch.
- Demonstrate correct posture and proper vocal technique.
- Recognize historical trends in choral repertoire.
- Apply proper vocal technique and musical interpretation in a final performance.
- Demonstrate leadership in their singing section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC& 121 - Ear Training 1

Credits: 2

Students study simple intervals, triads and rhythm through a program designed to train the ear to identify and write down simple musical structures from dictation.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Aurally identify simple intervals, simple rhythmic patterns, and basic triads.
- Aurally identify and notate simple melodies in major and minor keys in melodic dictation.
- Aurally identify and notate basic rhythms in simple and compound meters in rhythmic dictation.
- Develop basic sight-singing skills in tonal music.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC& 122 - Ear Training 2

Credits: 2

Students continue to study simple and compound intervals, basic four-part harmony, rhythm and pitch through a program designed to train the ear to identify and write down musical structures from dictation.

Enrollment Requirement: MUSC&121 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Aurally identify simple and compound intervals, rhythmic subdivisions, basic triads, and inversions of chords, including dominant seventh chords.
- Aurally identify and notate melodies in major and minor (harmonic and melodic) keys in melodic dictation.
- Aurally identify and notate rhythms of intermediate difficulty in simple and compound meters in rhythmic dictation.
- Aurally identify and notate basic chord progressions in major and minor keys in harmonic dictation.
- Develop basic and intermediate sight-singing skills in tonal music.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC& 123 - Ear Training 3

Credits: 2

Continues to study simple and compound intervals, triads and seventh chords in four-part harmony and complete melodies through a program designed to train the ear to identify and write down musical structures from dictation.

Enrollment Requirement: MUSC& 122 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Aurally identify simple and compound intervals, rhythmic subdivisions, triads, inversions, and seventh chords.
- Aurally identify and notate more complex melodies in major and minor (harmonic and melodic) keys in melodic dictation.
- Aurally identify and notate rhythms of intermediate difficulty in simple, compound, and odd meters in rhythmic dictation.
- Aurally identify and notate more complex chord progressions in major and minor keys in harmonic dictation.
- Develop intermediate sight-singing skills in tonal music.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 124 - Musical Rehearsal and Performance

Credits: 5

Students participate in a musical comedy or drama as a performer or technician.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proficiency with their character and his/her role in a production.
- Practice lines and learn a script and score for final performance.
- Follow general stage directions and blocking.
- Perform songs and dances as integral component parts of a musical production.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 125 - Vocal Coaching for Singers

Credits: 5

For absolute beginners to most advanced. Students prepare songs in a variety of styles,

to sing at least weekly for the class and for a final recital. Instructor works with individual students on vocal technique, style-mastery, stage presence, and microphone techniques. Addresses stage fright and other performance issues. Implements peer evaluations and learning constructive and objective self-critique.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a knowledge of healthy and proper vocal techniques through the preparation and performing of at least three songs in different styles; including but not limited to musical theater, jazz, pop, country, R&B and other contemporary styles.
- Recognize proper (or improper) vocal technique in others by writing peer evaluations.
- Demonstrate an understanding of good stage presence in their performances.
- Demonstrate a knowledge of strategies to manage performance anxiety issues.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 127 - Green River Jazz Voices 1

Credits: 1-5

Prepares and presents choral music in classical, jazz, and pop idioms. Some students may be involved as rhythm section players or sound technicians. Requires extensive performance demands and additional hours for rehearsals and concerts. BY AUDITION ONLY.

Enrollment Requirement: Instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to sing with proper vocal technique.
- Demonstrate sight singing using solfege.
- Apply proper song stylizing to different jazz styles being performed (e.g. bossa nova, samba, swing, ballad, and pop).
- Identify historical significance of songs and styles being performed (e.g. blues, jazz standards, classic pop music, latin jazz, more current songs arranged in jazz style).
- Demonstrate high standards in performances (preparedness, professionalism, confidence, accuracy, stylizing, musical interpretation, improvisation).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 128 - Green River Jazz Voices 2

Credits: 1-5

Prepares and presents classical, jazz, and pop idioms. Some students may be involved as rhythm section players or sound technicians. Requires extensive performance demands and additional hours for rehearsals and concerts. BY AUDITION ONLY.

Enrollment Requirement: MUSC 127 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to sing with proper vocal technique.
- Demonstrate sight singing using solfege.
- Apply proper song stylizing to different jazz styles being performed (e.g. bossa nova, samba, swing, ballad, and pop).
- Identify historical significance of songs and styles being performed (e.g. blues, jazz standards, classic pop music, Latin jazz, more current songs arranged in jazz style).
- Demonstrate high standards in performances (preparedness, professionalism, confidence, accuracy, stylizing, musical interpretation, improvisation).

- Apply leadership in your section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 129 - Green River Jazz Voices 3

Credits: 1-5

Prepares and presents choral music in classical, jazz and pop idioms. Some students may be involved as rhythm section players or sound technicians. Requires extensive performance demands and additional hours for rehearsals and concerts. BY AUDITION ONLY.

Enrollment Requirement: MUSC 128 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to sing with proper vocal technique.
- Demonstrate sight singing using solfege.
- Apply proper song stylizing to different jazz styles being performed (e.g. bossa nova, samba, swing, ballad, and pop).
- Identify historical significance of songs and styles being performed (e.g. blues, jazz standards, classic pop music, latin jazz, more current songs arranged in jazz style).
- Demonstrate high standards in performances (preparedness, professionalism, confidence, accuracy, stylizing, musical interpretation, improvisation).
- Apply leadership in your section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.

- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC& 131 - Music Theory 1

Credits: 3

Study of basic music notation with emphasis on principles of rhythm, intervals, scales, key signatures, triads and seventh chords, four-part writing, functional tonal harmony, non-harmonic tones and cadences.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and explain scales, keys, intervals, triads, clefs, meter, rhythm, and some basic harmony.
- Recognize major events in the development of music theory.
- Demonstrate proper musical notation skills.
- Analyze music using basic music theory knowledge.

Program Outcomes

Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC& 132 - Music Theory 2

Credits: 3

Continuation of MUSC& 131. Covers the study of musical texture, species counterpoint, phrases, motives, and diatonic harmony including the dominant seventh chord, non-harmonic tones, cadences and inversions in a variety of choral and keyboard textures in common practice style. Includes analysis, composition and performance.

Enrollment Requirement: MUSC& 131 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify musical textures.
- Identify and explain dominant seventh chords.
- Recognize major and relevant events in the development of music theory.
- Analyze music using basic and intermediate music theory knowledge.
- Analyze and compose music using basic phrases, motives, species counterpoint, and four-part harmony.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC& 133 - Music Theory 3

Credits: 3

Continuation of MUSC& 132. Continued study of musical texture, counterpoint, and diatonic harmony including non-dominant seventh chords, secondary dominant chords, basic musical forms, and modulation.

Enrollment Requirement: MUSC& 132 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and explain non-dominant seventh chords, secondary dominant chords, musical forms, and modulation.
- Recognize and explain major events in the development of music theory.
- Analyze music using intermediate music theory knowledge.
- Analyze and compose music using phrases, motives, counterpoint, four-part harmony, basic modulation, and simple forms.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 137 - Asian Drumming Ensemble 1: Korean Percussion

Credits: 5

This ensemble will explore traditional Korean drumming practices, their use among rural farmers, and their use in social protest (i.e. Japanese occupation, pro-democratization movements, to the ousting of President Park Geun-hye). We will learn basic techniques of the Korean drumming traditions pungmul, samulnori, and nongak and play the four main instruments: ching, kkwaenggwari, puk, and changgo. No musical experience required.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify a variety of basic drumming selections of Korean traditional drumming and rhythms.
- Discuss a variety of selections of basic Korean traditional drumming and rhythms.
- Play basic rhythms and identify with how these drumming practices used as part of the pro-democratization process in the 1970s and 1980s.
- Place the sounds and meanings of particular pieces/rhythms in social, historical, and political contexts (e.g. shaman ritual rhythms vs. rhythms used for political protest).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 138 - Asian Drumming Ensemble 2: Korean Percussion

Credits: 5

This ensemble will explore traditional Korean drumming practices, their use among rural farmers, and their use in social protest (i.e. Japanese occupation, pro-democratization movements, to the ousting of President Park Geun-hye). We will learn intermediate techniques of the Korean drumming traditions pungmul, samulnori, and nongak and play the four main instruments: ching, kkwaenggwari, puk, and changgo.

Enrollment Requirement: MUSC 137 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity
Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify a variety of selections of intermediate Korean traditional drumming and rhythms.
- Demonstrate a variety of selections of intermediate Korean traditional drumming and rhythms.
- Play intermediate rhythms and identify with how these drumming practices used as part of the pro-democratization process in the 1970s and 1980s.
- Analyze the meanings of particular pieces/rhythms in social, historical, and political contexts (e.g. shaman ritual rhythms vs. rhythms used for political protest).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 139 - Asian Drumming Ensemble 3: Korean Percussion

Credits: 5

This ensemble will explore traditional Korean drumming practices, their use among rural farmers, and their use in social protest (i.e. Japanese occupation, pro-democratization movements, to the ousting of President Park Geun-hye). We will learn advanced techniques of the Korean drumming traditions pungmul, samulnori, and nongak and play the four main instruments: ching, kkwaenggwari, puk, and changgo.

Enrollment Requirement: MUSC 138 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify a variety of advanced drumming selections of Korean traditional drumming and rhythms.
- Demonstrate a variety of selections of advanced Korean traditional drumming and rhythms.
- Play advanced rhythms and identify with how these drumming practices used as part of the pro-democratization process in the 1970s and 1980s.
- Apply and compare meanings of particular pieces/rhythms in social, historical, and political contexts (e.g. shaman ritual rhythms vs. rhythms used for political protest).

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 140 - Class Piano 1

Credits: 2

Offers basic piano pedagogy in a group classroom situation. Teaches hand positions,

fingering, and basic chord structure.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate beginning keyboard techniques including proper hand positions and fingering.
- Perform beginning piano literature.
- Identify scales, keys, intervals, triads, clefs, meter, rhythm, and chords.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 141 - Class Piano 2

Credits: 2

Offers basic and intermediate piano pedagogy in a group classroom situation. Covers hand positions, fingering, and chord structures.

Enrollment Requirement: MUSC 140 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate beginning and intermediate keyboard techniques including proper hand positions and fingering.
- Perform beginning and intermediate piano literature.
- Identify scales, keys, intervals, triads, clefs, meter, rhythm, and chords.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 142 - Class Piano 3

Credits: 2

Offers intermediate piano pedagogy in a group classroom situation. Covers hand positions, fingering, and intermediate chord structures and progressions.

Enrollment Requirement: MUSC 141 with a grade of 2.0 or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate intermediate keyboard techniques including proper hand positions and fingering.
- Perform beginning and intermediate piano literature.
- Identify scales, keys, intervals, triads, clefs, meter, rhythm, and chords.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 150 - Private Instruction 1

Credits: 1

Individual instruction in voice or on any common instrument.

Enrollment Requirement: Instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$675.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper tone production on specified instrument.
- Demonstrate memorization of beginning musical literature appropriate to instrument.
- Apply proper tone production and musical interpretation in a public performance.
- Perform music from a variety of contemporary and historical styles.
- Demonstrate professional standards of stage presence and concert etiquette during public performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 151 - Private Instruction 2

Credits: 1

Individual instruction in voice or on any common instrument.

Enrollment Requirement: MUSC 150 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$675.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper tone production on specified instrument.
- Demonstrate memorization of beginning musical literature appropriate to instrument.
- Apply proper tone production and musical interpretation in a public performance.
- Perform music from a variety of contemporary and historical styles.
- Demonstrate professional standards of stage presence and concert etiquette during public performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 152 - Private Instruction 3

Credits: 1

Individual instruction in voice or on any common instrument.

Enrollment Requirement: MUSC 151 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$675.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper tone production on specified instrument.

- Demonstrate memorization of beginning and intermediate musical literature appropriate to instrument.
- Apply proper tone production and musical interpretation in a public performance.
- Perform music from a variety of contemporary and historical styles.
- Demonstrate professional standards of stage presence and concert etiquette during public performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

MUSC 160 - Songwriting and Music Composition 1

Credits: 5

Introduction to songwriting and music composition. Students will analyze musical works and study techniques of composition to create their own music.

Enrollment Requirement: MUSC& 131 and MUSC& 121 with grades of 2.0 or higher or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify terms and concepts related to music composition and songwriting.
(Assignments)
- Analyze music using basic music theory knowledge. (Assignments, Projects)^[1]_{SEP}
- Compose music using historical and contemporary composition techniques
(Assignments, Projects)
- Apply basic computer music skills to professional music notation software. (Projects)

Program Outcomes

- Demonstrate knowledge of historical genres and styles beyond current trends in Music. This will be assessed through assignments.
- Demonstrate a deeper understanding of musical experience through active engagement with critical listening and discourse. This will be assessed through assignments.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 161 - Songwriting and Music Composition 2

Credits: 5

A continuation of MUSC 160 with study of basic songwriting and music composition techniques. Students will continue to analyze musical works and study composition techniques to create their own music.

Enrollment Requirement: MUSC 160 with a 2.0 grade or higher.

Recommended: MUSC& 132 and MUSC& 122

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze music using basic music theory knowledge. (Assignments, Projects)^{SEP}

- Compose music using historical and contemporary composition techniques (Assignments, Projects)^{[1][2][SEP]}
- Recognize relevant events and historical trends in the development of songwriting and music composition (Assignments)
- Apply basic computer music skills to professional music software. (Projects)

Program Outcomes

- Demonstrate knowledge of historical genres and styles beyond current trends in Music. This will be assessed through assignments.
- Demonstrate a deeper understanding of musical experience through active engagement with critical listening and discourse. This will be assessed through assignments.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 162 - Songwriting and Music Composition 3

Credits: 5

A continuation of MUSC 161 with more in-depth study of basic songwriting and music composition techniques. Students will continue to analyze musical works and study composition techniques to create their own music.

Enrollment Requirement: MUSC 161 with a grade of 2.0 or higher.

Recommended: MUSC& 132 and MUSC& 122

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze music using intermediate music theory knowledge. (Assignments, Projects)^[L]_{SEP}]
- Compose music using historical and contemporary composition techniques (Assignments, Projects)^[L]_{SEP}]
- Recognize relevant events and historical trends in the development of songwriting and music composition (Assignments)
- Research terms and concepts related to songwriting and music composition (Assignments, Presentation)
- Apply basic and some intermediate music computer skills to professional music software. (Projects)

Program Outcomes

- Demonstrate knowledge of historical genres and styles beyond current trends in Music. This will be assessed through assignments.
- Demonstrate a deeper understanding of musical experience through active engagement with critical listening and discourse. This will be assessed through assignments.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 170 - Music and the Environment

Credits: 5

Examines the engagement of sound in the environment such as marine, bird, and animal

sounds, depictions of nature in music, and the impact of the music industry. This course will look the ways that human sounds (cars, planes, roadways, etc.) impact the natural habitat of animal and bird species and how these changes impact indigenous lifestyles. This course will look at how sound and music are used within environmental protests and how sound is used as a technical tool for city grid systems, acoustic weapons, and echolocation.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze the use of nature sounds and imagery in music and how artists imitate, incorporate, and interpret environmental sounds across genres and cultures.
- Assess the ecological footprint of the music industry, considering the noise pollution, environmental impacts of production, touring, festivals, and venue infrastructure.
- Investigate how sound pollution affects Indigenous communities focusing on ecological knowledge and cultural practices.
- Evaluate technological uses of sound, such as echolocation, acoustic surveillance, and water monitoring, and consider their functional benefits and ethical concerns.
- Explore the role of sound in environmental justice and activism, including how sound is used to raise awareness, resist environmental harm, and restore ecosystems through acoustic ecology.
- Investigate how noise pollution affects wild life and migration patterns.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 218 - Concert Choir 4

Credits: 1-3

Continuation of MUSC 120. Students prepare and present selected choral works. Students study the basics of vocal production. One required evening performance each quarter.

Enrollment Requirement: MUSC 120.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to match pitch.
- Demonstrate correct posture and proper vocal technique.
- Recognize historical trends in choral repertoire.
- Apply proper vocal technique and musical interpretation in a final performance.
- Demonstrate leadership in their singing section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 219 - Concert Choir 5

Credits: 1-3

Continuation of MUSC 218. Students study the basics of vocal production. One required evening performance each quarter.

Enrollment Requirement: MUSC 218.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to match pitch.
- Demonstrate correct posture and proper vocal technique.
- Recognize historical trends in choral repertoire.
- Apply proper vocal technique and musical interpretation in a final performance.
- Demonstrate leadership in their singing section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 220 - Concert Choir 6

Credits: 1-3

Continuation of MUSC 219. Students prepare and present selected choral works. Students study the basics of vocal production. One required evening performance each quarter.

Enrollment Requirement: MUSC 219.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to match pitch.
- Demonstrate correct posture and proper vocal technique.
- Recognize historical trends in choral repertoire.
- Apply proper vocal technique and musical interpretation in a final performance.
- Demonstrate leadership in their singing section.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 227 - Green River Jazz Voices 4

Credits: 1-5

Students prepare and present choral music in classical, jazz and pop idioms. Some students may be involved as rhythm section players or sound technicians. Requires extensive performance demands and additional hours for rehearsals and concerts. BY AUDITION ONLY.

Enrollment Requirement: MUSC 129 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and explain non-dominant seventh chords, secondary dominant chords, musical forms, and modulation.
- Recognize and explain major events in the development of music theory.
- Analyze music using intermediate music theory knowledge.
- Analyze and compose music using phrases, motives, counterpoint, four-part harmony, basic modulation, and simple forms.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 228 - Green River Jazz Voices 5

Credits: 1-5

Students prepare and present choral music in classical, jazz and pop idioms. Some students may be involved as rhythm section players or sound technicians. Requires extensive performance demands and additional hours for rehearsals and concerts. BY AUDITION ONLY.

Enrollment Requirement: MUSC 227 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and explain non-dominant seventh chords, secondary dominant chords, musical forms, and modulation.
- Recognize and explain major events in the development of music theory.
- Analyze music using intermediate music theory knowledge.
- Analyze and compose music using phrases, motives, counterpoint, four-part harmony, basic modulation, and simple forms.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 229 - Green River Jazz Voices 6

Credits: 1-5

Students prepare and present choral music in classical, jazz and pop idioms. Some students may be involved as rhythm section players or sound technicians. Requires extensive performance demands and additional hours for rehearsals and concerts. BY AUDITION ONLY.

Enrollment Requirement: MUSC 228 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and explain non-dominant seventh chords, secondary dominant chords, musical forms, and modulation.
- Recognize and explain major events in the development of music theory.
- Analyze music using intermediate music theory knowledge.
- Analyze and compose music using phrases, motives, counterpoint, four-part harmony, basic modulation, and simple forms.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 250 - Private Instruction 4

Credits: 1

Individual instruction in voice or on any common instrument.

Enrollment Requirement: MUSC 152 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$675.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper tone production on specified instrument.
- Demonstrate memorization of intermediate musical literature appropriate to instrument.
- Apply proper tone production and musical interpretation in a public performance.
- Perform music from a variety of contemporary and historical styles.
- Demonstrate professional standards of stage presence and concert etiquette during public performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 251 - Private Instruction 5

Credits: 1

Individual instruction in voice or on any common instrument.

Enrollment Requirement: MUSC 250 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$675.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper tone production on specified instrument.
- Demonstrate memorization of intermediate musical literature appropriate to instrument.
- Apply proper tone production and musical interpretation in a public performance.
- Perform music from a variety of contemporary and historical styles.
- Demonstrate professional standards of stage presence and concert etiquette during public performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 252 - Private Instruction 6

Credits: 1

Individual instruction in voice or on any common instrument. Student pays instructor fee.

Enrollment Requirement: MUSC 251 and instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$675.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proper tone production on specified instrument.
- Demonstrate memorization of intermediate and advanced musical literature appropriate to instrument.
- Apply proper tone production and musical interpretation in a public performance.
- Perform music from a variety of contemporary and historical styles.
- Demonstrate professional standards of stage presence and concert etiquette during public performance.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 260 - Songwriting and Music Composition 4

Credits: 5

A continuation of MUSC 162 with study of intermediate songwriting and music composition techniques. Students will continue to analyze musical works and study composition techniques to create their own music.

Enrollment Requirement: MUSC 162 with a grade of 2.0 or higher.

Recommended: MUSC& 132 and MUSC& 122

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze music using intermediate music theory knowledge. (Assignments, Projects)
- Compose music using historical and contemporary composition techniques (Assignments, Projects)
- Recognize and explain relevant events and historical trends in the development of songwriting and music composition (Assignments)
- Research and explain terms and concepts related to songwriting and music composition (Assignments, Presentation)
- Apply intermediate computer music skills to professional music software. (Projects)

Program Outcomes

- Demonstrate knowledge of historical genres and styles beyond current trends in Music. This will be assessed through assignments.
- Demonstrate a deeper understanding of musical experience through active engagement with critical listening and discourse. This will be assessed through assignments.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 261 - Songwriting and Music Composition 5

Credits: 5

A continuation of MUSC 260 with additional study of intermediate songwriting and music composition techniques. Students will continue to analyze musical works and study composition techniques to create their own music.

Enrollment Requirement: MUSC 260 with a grade of 2.0 or higher.

Recommended: MUSC& 133 and MUSC& 123

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze music using intermediate music theory knowledge. (Assignments, Projects)
- Compose music using historical and contemporary composition techniques (Assignments, Projects)
- Research and explain relevant events and historical trends in the development of songwriting and music composition (Assignments)
- Research and explain terms and concepts related to songwriting and music composition (Assignments, Presentation)
- Apply intermediate and some advanced computer music skills to professional music software. (Projects)

Program Outcomes

- Demonstrate knowledge of historical genres and styles beyond current trends in Music. This will be assessed through assignments.
- Demonstrate a deeper understanding of musical experience through active engagement with critical listening and discourse. This will be assessed through assignments.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 262 - Songwriting and Music Composition 6

Credits: 5

A continuation of MUSC 261 with additional study of intermediate techniques of songwriting and music composition and an introduction to more advanced techniques. Students will continue to analyze musical works and study composition techniques to create their own music.

Enrollment Requirement: MUSC 261 with a grade of 2.0 or higher.

Recommended: MUSC& 133 and MUSC& 123

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze music using intermediate and some advanced music theory knowledge. (Assignments, Projects)
- Compose music using historical and contemporary composition techniques (Assignments, Projects)
- Research and explain relevant events and historical trends in the development of songwriting and music composition (Assignments)
- Research and explain terms and concepts related to songwriting and music composition (Assignments, Presentation)
- Apply advanced computer music skills to professional music software. (Projects)

Program Outcomes

- Demonstrate knowledge of historical genres and styles beyond current trends in Music. This will be assessed through assignments.
- Demonstrate a deeper understanding of musical experience through active engagement with critical listening and discourse. This will be assessed through assignments.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

MUSC 298 - Independent Study-Music 1

Credits: 1-5

Encourages students to study independently in their fields of special interest in music. Each student meets on a tutorial basis with the instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Design a music-related project and/or research plan with the instructor.
- Demonstrate progress on the music-related project and/or research throughout the quarter.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

MUSC 299 - Independent Study-Music 2

Credits: 1-5

Encourages students to study independently in their fields of special interest in music.

Each student meets on a tutorial basis with the instructor.

Enrollment Requirement: MUSC 298 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Design a music-related project and/or research plan with the instructor.
- Demonstrate progress on the music-related project and/or research throughout the quarter.

Program Outcomes

- Demonstrate a knowledge of historical genres and styles beyond current trends in Performing Arts.
- Demonstrate responsibility by one or more of the following: attendance, assignment completion, final project or performance completion.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Natural Resources

NATRS 100 - Introduction to Natural Resources

Credits: 5

Introduces the study of natural resources outdoors and in a classroom setting. Explores natural resources careers. Introduces concepts of systems, biomes, forest biology, tree physiology, forest ecology, silviculture, water resources, fish and wildlife management, and Washington forest practices. Students study forest history, forest policy, and forest ownership.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher; or concurrent enrollment; and instructor consent.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of natural resources career opportunities and organizations by being introduced to people that are self-employed, work for private industry or public agencies. Knowledge by become familiar with GRC's Natural Resources programs that lead to advanced degrees and employment.
- Demonstrate the understanding forest biology, tree physiology and tree anatomy, forest ecology, forest regions and soils and examine the role of fire in development and management of Northwest forests.
- Demonstrate the understanding of silviculture and the biological reasons for silviculture prescriptions in the Pacific Northwest.
- Demonstrate the understanding of the importance of forest streams, wetlands, and riparian zones and the protection measures used in the regulations of the Forest Practices Rules and the impacts to fish and wildlife.
- Demonstrate knowledge of both Federal and Washington State environmental regulations and the aesthetic components found in natural resource environments through analysis, discussions, essay writing and presentations in class.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 114 - Chainsaw Operation and Maintenance

Credits: 2

Students demonstrate competency using small engine-powered forestry equipment. Teaches safety, maintenance, repairs and operation of the equipment. Emphasizes how the equipment is used in current forestry operations. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Fee: \$45.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate competency using a chainsaw and learn chainsaw safety, maintenance, repairs, and operation with emphasis on how the equipment is used in current forestry operations and demonstrate safe procedures at all times.
- Practice maintaining chainsaws and associated tools, parts, and equipment, repair (dismantling and assembling chainsaws and associated tools) and practice troubleshooting problems.
- Demonstrate the safe use of chainsaws and associated tools in correct falling, log bucking techniques, and limbing situations.
- Demonstrate Silvicultural Operations that include pre-commercial and commercial thinning operations, and how to safely approach a cutting crew.
- Demonstrate professional attitude, critique and assist team-members, demonstrate safe conduct, and will follow instructions, operate equipment individually and in teams.

Program Outcomes

- Attain employment in several Natural Resources areas.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate good written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

NATRS 123 - Backcountry Watershed and Forest Assessment

Credits: 12

A field intensive course that covers uses and management of watersheds and the forests contained therein. Teaches watershed scale assessments, backcountry management, and human dimensions of wilderness use including forest harvesting practices across the State of Washington. Topics include land use assessment and management impacts through extensive field exercises in individual, team, and group situations. Students conduct basic trail maintenance, orienteering and examine uses and misuses of backcountry resources. Students create a field journal including a management plan for effective backcountry use. Summer field trip includes base camping, backpacking and/ or backcountry day hiking and field-intensive studies.

Enrollment Requirement: NATRS 182 and NATRS 270 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$450.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate safe and effective methods for accessing remote areas of watersheds.
- Safely and critically assess the health of a watershed based on field observations of land use actions and management across multiple types of land ownership.
- Demonstrate competencies in backcountry travel, orienteering, backcountry safety, and trail management.
- Demonstrate knowledge and skills from hands-on field learning and practice as well reading and presentations, field lectures, labs and demonstrations.
- Develop skills in note keeping, map interpretation, and use of GPS.
- Demonstrate components of leadership through their ability to work well in teams in rugged conditions, as well as the necessary planning and organization.
- Demonstrate field observations and produce a field journal.
- Demonstrate skills in punctuality, timeliness, leadership, professional attitude and respect.
- Demonstrate critical thinking in discussions, essay writing and a research report.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.

- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 130 - Wildland Firefighter Training L-180 S-130/190 and ICS series

Credits: 5

Training for Type 2 wildland firefighters in basic firefighting skills. Complies with Northwest Wildfire Coordinating Group standards for S-190, and S-130 courses, which includes L-180 (Human Factors on the Fireline). Coursework reviews the ICS organization, terminology, and common responsibilities. Includes standard firefighting orders, watch-out situations, human factors on the fire line, suppression tactics, incident response, basic fire behavior, emergency situations, risk management, and fire weather. Includes a one-day practicum. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the Incident Command System, terminology and responsibilities within the ICS organization and practice personal preparedness necessary for wildland firefighters.
- Demonstrate the ability to assess risks, then plan and conduct appropriate actions in incident response and the importance of LCES (Lookouts, Communication, Escape Routes and Safety Zones).

- Demonstrate self-management and survival by learning the use of Fire Shelters while gaining knowledge of fire behavior, weather affecting fires, and weather affected by fires.
- Demonstrate awareness of the human factors regarding fires and human factors on the fire line.
- Demonstrate basic fire suppression tactics in the field on a mock fire situation and awareness of structure protection, protecting the point of fire origin, and hazmat procedures.
- Demonstrate the use of hand tools, hose lays, pumps, and fire suppression equipment.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

NATRS 161 - Wildlife Habitat Management

Credits: 4

Study the management of wildlife and wildlife habitats to encourage incidence and diversity of mammals, birds, amphibians, and reptiles. Students develop field wildlife research projects to aid management skills. Students visit, observe, and participate in actual projects, giving them opportunities to see Pacific Northwest wildlife in its ever-changing environments within the growing research-based industry.

Enrollment Requirement: Eligible for ENGL& 101 and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate research and organizational skills through the development of a wildlife management plan.
- Collect wildlife sample data using approved protocols for various wildlife species, including mammals, birds, reptiles and amphibians.
- Describe the ecological and economic importance of key wildlife species native the the Pacific Northwest.
- Evaluate habitat conditions for a variety of wildlife species and provide appropriate habitat management prescriptions.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 172 - Computer Applications Overview

Credits: 4

Provide hands-on learning with skills and technology that is applicable to a wide range of employers and natural resources disciplines. Introduces important vocabulary, concepts, and topics that will improve student use of specific software like Microsoft Office Suite, creation of data displays, and prepare students for training in geographic information systems (GIS). For Natural Resources students.

Enrollment Requirement: Instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize Microsoft Office Suite - Word, PowerPoint, Excel, Access.
- Create data displays including charts, graphs, tables.
- Examine and explain different types of datasets.
- Learn basic statistics as it applies to spreadsheets and data displays.
- Differentiate between spreadsheets and databases.
- Practice with multiple types of data collection tools and technology.
- Explain principle concepts of geographic information systems.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 180 - Natural Resources Measurement

Credits: 6

Application of algebra, geometry, and trigonometry to the solution of tree measurement, surveying, mapping, and orienteering problems. Requires calculator with trigonometric functions and capabilities.

Enrollment Requirement: MATH 70 with a grade of 2.0 or higher and instructor consent.

Course Fee: \$80.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the application of arithmetic, algebra, geometry and trigonometry to solve area, volume, tree measurement, surveying, mapping and orienteering problems.
- Demonstrate proficiency using measurement tools including dot grids, engineer's scale, calculator, maps, tables and graphs.
- Practice for field applications and procedures by successfully solving (on paper and in Excel) mathematical natural resources based applications.
- Practice logical sequential reasoning by showing steps used to solve a problem.
- Demonstrate forest measurement methods and equipment use including forest product measurements including scaling, cruising and inventory equations.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

NATRS 182 - Aerial Photos, GIS and Forest Navigation

Credits: 8

Teaches the use of compass and chain/tape, mapping, map reading, topography, orientation, area determination, triangulation, the U.S. survey system, note keeping, field

reporting, GPS (Global Positioning Systems), pacing and Studies and uses aerial photographs to interpret vegetation and land forms, measure distance and direction, and to navigate. Uses extensive field exercises in individual, team, and group situations. Students conduct basic tree measurements as well as open and closed traverses of roads, trails, and areas. Students apply previously learned mathematical concepts and field skills.

Enrollment Requirement: NATRS 180 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$130.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic tree measurement skills, Map reading and drawing.
- Demonstrate field use of aerial photography and GIS using remote sensing and mapping systems commonly used in natural resources management (GIS/GPS).
- Demonstrate skills and knowledge learned in Forest Introduction, Tree and Shrub Identification, and Forest Navigation.
- Demonstrate competencies in distance measurements, direction measurements, note-keeping, public land survey system, map interpretation, acreage determinations, map making, surveying, exhibit competency operating a handheld GPS machine collecting data.
- Demonstrate components of leadership: knowledge of the job, supervision, planning, training, teamwork, work within the organization and work independently within a group.
- Demonstrate aesthetic awareness: opportunities to appreciate aesthetic awareness first-hand. Students will interpret, map, draw, and write about aesthetic components found in natural resources environments.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

NATRS 183 - Tree and Shrub Identification

Credits: 4

Collect specimens and identify tree and shrub species found in Washington forests. Teaches the use of taxonomic keys and their ecological characteristics and growth habits.

Enrollment Requirement: Instructor permission.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to identify regionally important species by leaves, twigs, bark and fruit characteristics.
- Discuss how to use of taxonomic keys to identify and verify tree and shrub genera and species.
- Examine dendrology terminology comprehension and utilization.
- Identify plant morphology and apply knowledge through the correct identification of required plants.
- Identify scientific names and acronyms of selected species including native species of the Pacific Northwest.
- Apply their knowledge through sampling vegetation utilizing circular nested plots and canopy cover measure.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

Critical Thinking, Responsibility, Quantitative and Symbolic Reasoning, Written Communication

NATRS 184 - Wildflower Identification

Credits: 5

Collects specimens and identifies wildflower species found in Washington forests. Teaches the use of taxonomic keys and their ecological characteristics and growth habits.

Enrollment Requirement: NATRS 183 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the use of taxonomic keys to identify ferns, shrubs, and wildflowers.
- Examine the use and comprehension of dendrology terminology.
- Identify plant morphology and apply knowledge through the use of dichotomous keys.
- Examine identification and basic ecology of all required plants.
- Sample vegetation through various methods including: percent cover, transects, fixed area plots and stem counts.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 192 - GIS for Natural Resources

Credits: 5

Introduces geospatial concepts as part of the discipline of geographic information systems (GIS). Provides an overview with hands-on experience with ArcGIS software and functionality in natural resources applications. Emphasizes principal components of ArcGIS including ArcGIS Pro, Catalog, Toolbox and ArcGIS Online. Provides hands-on practical exercises using field data in various formats including

shapefiles, raster, geodatabase feature classes, GPX, and surface features datasets. Explores how to use geospatial datasets already available and how to create, modify or build new datasets. Create, manage, analyze, and display georeferenced datasets and finished maps.

Enrollment Requirement: NATRS 172 and MATH 70 or higher with grades of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Acquire geospatial datasets from various resources, including government entities, open-data portals, and relevant interest groups.
- Analyze geospatial data using several types of tools, techniques, and methods.
- Utilize the ESRI software suite, including ArcGIS Pro, ArcGIS Online, Catalog, and Toolbox.
- Transform GPS data to be readable.
- Explain the principles of spatial concepts pertaining to geographic information systems.
- Design and use maps to display geographical data.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 198 - Independent Study-Natural Resources 1

Credits: 1-5

Encourages natural resources students to study and develop independently in their special interests. Students must obtain approval on their selected special study project from the instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a deeper understanding of their specific area of interest within natural resources.
- Hone skills and techniques to further develop field based experience for their specific area of interest within natural resources.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 199 - Independent Study-Natural Resources 2

Credits: 1-5

Encourages Natural Resources students to study and develop independently in their special interests. Students must obtain approval on their selected special study project from the instructor.

Enrollment Requirement: Instructor consent.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 205 - Wildland Recreation

Credits: 4

Students learn skills needed to develop and manage wildland parks and recreational sites for private, state, and federal owners. Students visit, observe, and participate in actual projects within the growing wildland recreational industry.

Enrollment Requirement: NATRS 100 with grade of 2.0 or higher or concurrent enrollment; and instructor consent.

Course Fee: \$60.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the use of common field and hand and power tools through recreation projects.
- Demonstrate the ability to gain insight and understanding into wildland recreation management planning and design.
- Demonstrate integration of knowledge from natural resource classes into recreation environment.
- Demonstrate the ability to recognize the differences and similarities of wildland recreation operating procedures between federal, state, county campgrounds and private parks and campgrounds.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 210 - Introduction to Soils

Credits: 4

Introduces the study of physical and chemical properties of soil and soil ecology. Includes topics on soil formation, plant nutrition, soil water, water and soil conservation, soil erosion and stability, and use of soil maps. Schedules mini labs and field trips to offer hands-on experience. Discusses influence of soils on environmental quality, human health, and forest and agricultural economies.

Enrollment Requirement: MATH 72 with a grade of 2.0 or higher; or eligible for MATH 97 or higher; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Correctly identify key soil morphological and physical properties.
- Demonstrate knowledge of soil forming factors, soil classification and soil nutrition.
- Demonstrate ability to utilize soil maps.
- Identify soil erosion and instability factors and provide appropriate preventative measures.
- Demonstrate knowledge of soil organisms and ecology and its influences on human health and economy.

Program Outcomes

- Attain a job in the Natural Resources field.

- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperator.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 262 - GIS Tools in the Field

Credits: 5

Focuses on various software and GPS tools to collect, create, edit and maintain attributes and spatial information from the office to the field, and back using applications like ESRI's Field Map, Survey 123, Avenza and others. Covers several different analytical techniques and methods pertaining for field data collection and imagery collection as applied to natural resources.

Enrollment Requirement: NATRS 192 with a grade of 2.5 or higher; and instructor consent

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform proficient use of field data collection technology like ESRI Fieldmaps, Survey 123, Avenza, and GPS units.
- Evaluate the advantages and disadvantages of each field collection technique.
- Generate maps, graphs, and photo displays as part of analysis.
- Analyze and process aerial and satellite imagery with computer-based programs.
- Demonstrate competency using ArcGIS modules for spatial analysis of field collected data.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 263 - Cartography

Credits: 5

Provides general introduction to the principles and techniques of cartography. Reviews fundamental mapping concepts of map design using GIS technology. Applies concepts of map scale, projection, and coordinate systems. Learn new software and tools within ArcGIS software including well MapPlex and ColorBrewer to aid in understanding principles of thematic map design.

Enrollment Requirement: NATRS 192 with a grade of 2.5 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gather and process geospatial data for the purposes of map creation.
- Create map-based solutions for a given audience and purpose.
- Explain cartographic principles and utilize those principles for effective map design.
- Implement cartographic techniques to create high-quality maps.

- Improve map design skills through analyzing and critiquing their own work and the work of others.
- Differentiate between appropriate use of color, typography, symbology, scale, map type, gestalt, among other design elements.

Program Outcomes

- Attain a job in the Natural Resources field.
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College-wide Outcomes

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NATRS 270 - Stream and Wetland Ecology

Credits: 5

Students gain an understanding of stream, pond, and wetland ecology through classroom and field experiences. Students study stream and wetland dynamics, associated plant and animal ecology, streamflow hydraulics, and Washington Forest Practices Regulations in an applied field setting. Students conduct measurements and sampling within ponds, streams, and wetlands with follow-up analysis and reports.

Enrollment Requirement: ENGL& 101 and NATRS 172 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the importance of streams and wetlands in making natural resources management decisions.
- Describe acceptable and legal land management practices, among different categories of riparian zones and water types.
- Use laboratory equipment.
- Measure, analyze, and report stream and wetland physiology, biological, and chemical parameters.
- Demonstrate skills in punctuality, leadership, professional attitude, respect, and the use of word-processing and spreadsheet applications.
- Demonstrate critical thinking, analysis, application and synthesis through the scientific method using logical development of primary scientific research and be able to defend their development of conclusions.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 271 - Stream and Wetland Restoration

Credits: 5

Stream and wetland restoration is an important issue in water and fish management. Students are given the opportunity to evaluate fundamental ecological processes with the end result being restoration of streams and wetlands. Students look at possible

structure and functional issues within the riparian ecosystem. Students develop an efficient and productive restoration project addressing human-induced changes surrounding both aquatic and terrestrial components. Class is taught with lecture, field sampling, demonstrations, and interviews with agencies and private organizations.

Enrollment Requirement: ENGL& 101 and NATRS 270 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop skills in restoration and management in and around surface water sources.
- Identify plant occurrence and stream dynamics.
- Use their data collection skills in recording information obtained in both office and field settings.
- Identify various management methods and activities used in restoring streams back to healthy and productive waterways.
- Visit, observe, and participate in actual projects within the growing research based industry.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 272 - Fish Identification and Habitat

Credits: 5

Covers the classification, identification, anatomy and physiology, age and growth, behavior, life history, and habitat of fish of the Pacific Northwest. Examines the importance of fish in our society and investigates related regulations and policies.

Enrollment Requirement: NATRS 270 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Classify and identify fish of the Pacific Northwest (PNW) at different life stages.
- Identify anatomy and physiology of fish in the PNW.
- Demonstrate ability to determine age, sex and growth rate of fish of the PNW.
- Analyze behavior and life history traits of fish of the PNW.
- View and discuss habitat utilized by fish of the PNW.
- Identify various fish survey techniques comm in the industry.
- Examine the importance of fish in our society and investigate regulations and policies associated with those fishes.
- Research and develop a research report of the topic.

Program Outcomes

- Attain a job in the Natural Resources Industry.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate good written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 277 - Natural Resources Internship 1

Credits: 4

Internship requires the student to work full time in a paid or volunteer position for an agency or company that will best help the student enhance his/her technical skills and prepare the student for career employment. The student must earn four credits by working 132 hours during the quarter following completion of the second-year Natural Resources courses. Students find and choose their employers and obtain instructor approval before beginning work. Students must have suitable field clothes and equipment for the internship position. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find and obtain a job/position/internship position in a Natural Resources related field that will best help the student enhance his/her technical skills and prepare the student for career employment.
- Obtain and complete an internship of 440-462 hours.
- Keep a daily journal detailing: What was done each day, what was learned each day and contacts made each day.
- Satisfy an evaluation by their employer/supervisor on standard job measures such as: Job knowledge, quality of work, quantity of work, ability to learn and attendance.
- Improve their self-confidence in their abilities, competencies, and knowledge as measured by the employer's and instructor's assessments.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

NATRS 278 - Natural Resources Internship 2

Credits: 4

Internship requires the student to work full time in a paid or volunteer position for an agency or company that will best help the student enhance his/her technical skills and prepare the student for career employment. The student must earn four credits by working 132 hours following NATRS 277. Students find and choose their employers and obtain instructor approval before beginning work. Students must have suitable field clothes and equipment for the internship position. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find and obtain a job/position/internship position in a Natural Resources related field that will best help the student enhance his/her technical skills and prepare the student for career employment.
- Obtain and complete an internship of 440-462 hours.
- Keep a daily journal detailing: What was done each day, what was learned each day and contacts made each day.
- Satisfy an evaluation by their employer/supervisor on standard job measures such as: Job knowledge, quality of work, quantity of work, ability to learn and attendance.
- Improve their self-confidence in their abilities, competencies, and knowledge as measured by the employer's and instructor's assessments.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

NATRS 279 - Natural Resources Internship 3

Credits: 3

Internship requires the student to work full time in a paid or volunteer position for an agency or company that will best help the student enhance his/her technical skills and prepare the student for career employment. The student must earn three credits by working 99 hours following NATRS 278. Students find and choose their employers and

obtain instructor approval before beginning work. Students must have suitable field clothes and equipment for the internship position. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find and obtain a job/position/internship position in a Natural Resources related field that will best help the student enhance his/her technical skills and prepare the student for career employment.
- Obtain and complete an internship of 440-462 hours.
- Keep a daily journal detailing: What was done each day, what was learned each day and contacts made each day.
- Satisfy an evaluation by their employer/supervisor on standard job measures such as: Job knowledge, quality of work, quantity of work, ability to learn and attendance.
- Improve their self-confidence in their abilities, competencies, and knowledge as measured by the employer's and instructor's assessments.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

NATRS 280 - Natural Resources Internship 4

Credits: 3

Internship requires the student to work full time in a paid or volunteer position for an agency or company that will best help the student enhance his/her technical skills and prepare the student for career employment. The student must earn three credits by working 99 hours following NATRS 279. Students find and choose their employers and obtain instructor approval before beginning work. Students must have suitable field clothes and equipment for the internship position. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find and obtain a job/position/internship position in a Natural Resources related field that will best help the student enhance his/her technical skills and prepare the student for career employment.
- Obtain and complete an internship of 440-462 hours.
- Keep a daily journal detailing: What was done each day, what was learned each day and contacts made each day.
- Satisfy an evaluation by their employer/supervisor on standard job measures such as: Job knowledge, quality of work, quantity of work, ability to learn and attendance.
- Improve their self-confidence in their abilities, competencies, and knowledge as measured by the employer's and instructor's assessments.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

NATRS 284 - Road and Trail Engineering

Credits: 7

Covers road and recreational trail location priorities, location on topographic maps with grade, slope, and property line constraints; Forest Practice Regulations; harvesting and construction equipment; curve computation and field layout; slope staking and cut/fill computation; culvert location; surfaces and drainage; calculations for cut/fill and curves; plan and profile drawing of fieldwork. Uses extensive field exercises in team and group situations.

Enrollment Requirement: NATRS 182 and 292 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to integrate previously learned concepts including mathematics, navigation, surveying, mapping, aerial photo interpretation, computer applications, forest hydrology, wildlife management, wildland recreation, and silviculture.

- Demonstrate their skills in road and trail design, Forest Practice Regulations that govern the design and construction of forest roads reconnaissance of a proposed road, identify control points, pegging and grade, harvesting and construction equipment, and drainage and project location onto a large scale map using math and fieldwork to learn curve computation and apply road geometry to the layout of a road or trail in a forested area.
- Demonstrate the ability to work as an individual and in teams or crews performing outside work and a final project to incorporate students working in differing roles and leadership capacities and synthesis teamwork into a group product of road location, making accurate field notes and maps including curve design in the field.
- Demonstrate preparation of a plan and profile from data collected in the field and understanding transportation and harvesting equipment purposes, limitations, advantages, and applications.

Program Outcomes

- Attain a job in the Natural Resources field.
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College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 286 - Natural Resources Business Principles

Credits: 5

A study of human relations and business activities unique to small independent businesses and organizations. Emphasizes contract supervision and consulting/contracting in natural resources management. Includes study of interactions of individuals, teams and crews, organizations, and business ethics. Teaches the types

of ownership, organization, state and federal laws, contracts, taxation, insurance, payroll, finance, accounting, customer relations, personnel management, and negotiation.

Enrollment Requirement: NATRS 172 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice assertiveness, motivation, leadership, effective communication skills, listening skills, negotiation skills, and conflict resolution skills.
- Examine participation as team members, crew members, and employees.
- Analyze hiring, assessment of personnel, employee rights, and personnel improvement plans and diversity in the workplace.
- Compare and contrast interactions between small business owners and large organizations.
- Demonstrate effective customer relations techniques.
- Discuss business philosophies, corporate culture, and ethical business principles.
- Initiate and manage a small business and evaluate strategic planning and develop a business plan.
- Identify the requirements of the landowners and natural resources businesses that enter into agreements.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate good written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 290 - Internship Seminar

Credits: 1

For career-oriented natural resources students as a sequential course to NATRS 277. Covers business letters, resumes, applications, interviewing skills, and internship procedures. Conducts mock interviews and actual interviews for spring internships. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to use computer word-processing skills and self-confidence by producing professional-quality business letters, résumés, and applications to obtain an internship position.
- Demonstrate clear written and oral communication through the use of comparing and contrasting their individual written and oral presentations to those of others.
- Demonstrate organizational skills through the use of different format styles in creating comprehensive resumes, completing thorough job applications and professional appearance through the use of performing mock interviews.
- Demonstrate professional writing skills using correct grammar, syntax, and punctuation.
- Demonstrate responsibility by punctuality and consistent attendance in class and providing assignments when requested.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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NATRS 292 - Resource Sampling and Appraisal of Forest Condit

Credits: 8

Students acquire skills and knowledge to measure, calculate, and sample resources and forest products to determine value using statistically valid procedures. A rigorous course using skills and knowledge of tree diseases and disasters affecting forest product quality. Includes classroom, field studies and library research.

Enrollment Requirement: NATRS 182 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate their knowledge diseases which impact tree and log volumes and the reasons to assess dead and living trees in a forest.
- Demonstrate their ability to identify the various types of inventory processes and appraisals required by employers.
- Demonstrate the ability to complete thorough, orderly, concise note-keeping and mapping procedures.
- Demonstrate how to accurately use equipment and methods common in the natural resources fields in performance of timber appraisal and to use statistical methods to assess and validate the results of sampling processes.
- Demonstrate how to refine previously learned skills to measure or calculate diameters, distances, heights, basal area, and volume of logs, trees in stands of trees.
- Demonstrate their knowledge of tree and shrub species, forest diseases, forest types, log grades, and log sorts, use of aerial photography and maps, and different cruising methods.
- Demonstrate the ability to identify harvesting equipment, how to use desktop computer applications to calculate stumpage values. SuperAce

- Demonstrate their ability to plan, design, and layout, a timber harvest.

Program Outcomes

Attain a job in the Natural Resources field.

Manage Forestland and Resources to attain positive outcomes.

Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 293 - Silvicultural Analysis and Forest Protection

Credits: 5

Study of silvicultural and forest protection practices common in management of natural resources in the Pacific Northwest. Course prescribes specific management objectives and inventories resources and soils. Students design, measure and report a research project by working independently and in groups, indoors and outdoors.

Enrollment Requirement: NATRS 172 and 180 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of key forestry ecology principles that influence silvicultural practices.

- Demonstrate knowledge of appropriate silviculture tools and practices that cover all stages of stand development to meet various management objectives.
- Demonstrate knowledge of how silvicultural practices influence wildlife habitat, wood properties and forest health.
- Develop a professional forest management plan for a landowner.
- Identify threats to forest health and potential management responses to health issues.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 297 - Independent Study-Natural Resources 4

Credits: 1-5

Encourages students to study and develop independently in their area of special interest in natural resources. Students must obtain approval on their study project from the instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a deeper understanding of their specific area of interest within natural resources.

- Hone skills and techniques to further develop field based experience for their specific area of interest within natural resources.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

NATRS 298 - Independent Study-Natural Resources 5

Credits: 1-5

Encourages students to study and develop independently in their area of special interest in natural resources. Students must obtain approval on their study project from the instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a deeper understanding of their specific area of interest within natural resources.
- Hone skills and techniques to further develop field based experience for their specific area of interest within natural resources.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.

- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

NATRS 299 - Independent Study-Natural Resources 6

Credits: 1-5

Encourages students to study and develop independently in their area of special interest in natural resources. Students must obtain approval on their study project from the instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a deeper understanding of their specific area of interest within natural resources.
- Hone skills and techniques to further develop field based experience for their specific area of interest within natural resources.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work

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NATRS 300 - Forest Ecology

Credits: 5

Focuses on ecological principles applied to forest management including production ecology, biogeochemistry, disturbances, environmental factors, populations, community ecology, forest succession, and forest classification/description. Course will be taught through classroom and field studies. Hands-on application will be emphasized.

Enrollment Requirement: ENGL 128 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate understanding of plant succession, soil conditions and implications for tree growth.
- Synthesize the science behind ecological occurrences and disturbances.
- Discuss the theories including biodiversity, inter- and intraspecific interactions, disturbance and succession that describe ecological processes and how they can be applied across multiple ecosystems.
- Demonstrate high reading and comprehension skills through reading and discussing scientific articles.
- Conduct an ecological research project.
- Write a scientific paper with their findings.

Program Outcomes

- Attain a job in the Natural Resources field.
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College-wide Outcomes

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NATRS 301 - Resource Economics

Credits: 5

Emphasizes the practical understanding of distribution of limited resources be it financial or physical. Financial topics include forest resource valuation and financial analysis concepts, inflation, risk and uncertainty, taxes related to both property ownership, and business and financial decision making. Students become familiar with parts of a contract including boilerplate clauses and specialized terms related to logging, road building and timber sales. Covers timber sale and unit appraisal. Labs focus on computational problems and associated computer software used in the forest management industry.

Enrollment Requirement: Instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain forest resource valuation in the context of private and public lands.
- Complete basic financial analysis for various forest operations and practices using acceptable industry standard software programs.
- Compare and contrast inflation, risk and uncertainty in financial decision making.
- Appraise taxes and fees associated with forest ownership and resource extraction.
- Compose and evaluate standard contracts for a variety of forestry activities.

Program Outcomes

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College-wide Outcomes

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NATRS 385 - Forest Protection and Disease Management

Credits: 5

Teaches students about the various biotic and abiotic disturbance agents that affect forest ecosystems. Students identify important forest insects and diseases of North America, especially the Pacific Northwest, as well as their effects on forest ecology. Students learn predisposing factors that increase susceptibility as well as propose effective management strategies to reduce impacts.

Enrollment Requirement: ENGL 128 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Correctly identify common insects and diseases that impact forest health and values in North America with focus on the Pacific Northwest.
- Assess a forest for current and potential health issues from biotic and abiotic agents.
- Prepare a management plan to deal with forest health issues.
- Demonstrate knowledge of the importance and impact of various disturbance agents on forest ecosystems.

Program Outcomes

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College-wide Outcomes

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NATRS 386 - Bio Invasions: Invasive Species Management

Credits: 5

Walks students through the positive identification of invasive species and noxious weeds in Washington State. Students have the opportunity to learn about non-plant invasive and observe or participate in their management. Students learn sources of invasive species, methods of control and visit sites where biological, mechanical and chemical control has been used. Students learn the ecology behind biological invasions and assess invasive species control in the field. Students participate in mechanical control methods in various locations targeting various invasive species and have the opportunity to observe chemical methods. Students produce an invasive species management plan.

Enrollment Requirement: ENGL 128 with a grade of 2.0 or higher; and concurrent enrollment in NATRS 417; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Access and utilize resources for identifying, classifying and reporting invasive species in Washington state.
- Demonstrate knowledge of the ecology of invasive species.
- Demonstrate knowledge of three methods of control for biological invasive.
- Participate in the control and management of invasive species.
- Write an integrated invasive management plan.

Program Outcomes

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College-wide Outcomes

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NATRS 390 - Environmental Decision Making and Conflict Resolution

Credits: 5

Introduces students to conflict theory as applied in complex natural resource disputes including forest harvest in the Pacific Northwest. Focuses on skill development in planning culturally appropriate and inclusive public participation processes, meeting facilitation, and conflict mediation including option comparison for nonviolent conflict management.

Enrollment Requirement: ENGL 128 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss case studies of environmental conflict with a focus on Western environmental issues.
- Examine stakeholders and learn to identify what communication process should be used to improve opportunities for conflict resolution and decision making outcomes.
- Examine individual and group conflict resolution skills including interdisciplinary teams.
- Participate in a public forum for an environmental conflict and write an industry brief on the issue.

Program Outcomes

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College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 399 - Natural Resources Seminar

Credits: 1

Showcases timely speeches by professionals in natural resource management. Guide students through a review of current topics in forestry, fire, watershed, or soils.

Presentations by guest speakers and professionals in the field complement student's development of writing and oral presentation skills.

Enrollment Requirement: ENGL& 101 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the various facets of Natural Resources through weekly guest lecture presentations from multiple professionals.
- Discuss current events, findings and practices in the field of Natural Resources.
- Engage with relevant questions of current professionals in the field.
- Summarize talks and synthesize information through reflection essays.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 400 - Forest Practices, Law and Policy

Credits: 5

A core forest resource management course. Students examine and analyze natural resource policy including environmental impact statements, environmental assessments, and habitat conservation plans. Students appraise and critique administrative behavior, as well as legislative, regulatory, legal, ethical, and personal considerations as applied to forestry operations in Washington State and nationally. Students discuss and demonstrate applications of Washington Forest Practices, Habitat Conservation Plans, Clean Air, Clean Water, and Endangered Species Acts.

Enrollment Requirement: ENGL 128 and NATRS 390 with grades of 2.0 or higher; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate their familiarity with the various environmental acts, laws, policies that govern Natural Resources on a national and local basis.
- Demonstrate their familiarity with the updated and current HCP and Washington Forest Practice Rules and Regulations and how they are applied locally.
- Demonstrate the understanding of the practical impacts of the Clean Air and Clean Water Acts, as well as the Endangered Species Act and how they impact land and water management in the Pacific Northwest (PNW).

- Participate in a public forum and understand the process of an Interdisciplinary Team (IDT) in the review process of the Forest Practice Applications (FPA). Explain the process and outcomes of an Interdisciplinary Team (IDT) review of an FPA
- Demonstrate their appraisal and critiquing administrative process and behaviors, as well as legislative, regulatory, legal ethical, tribal and personal considerations. (This is the format of Timber, Fish and Wildlife (TFW) Cooperators).
- Identify/define/explain the differences between the state and federal environmental acts and policies discussed in class. Be familiar with the SEPA document and the process.
- Describe and explaining how the TFW Cooperative started, how it has developed over time and what its current role is in the management of natural resources in today's environment.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 401 - Advanced Harvest Systems: Cable and Aerial Based

Credits: 5

Focuses on in-depth understanding of various harvest systems for the applied forester or land manager. Topics include skyline operations, safety rules, rigging requirements, payload analysis, harvest unit planning and layout. Specialized areas include helicopter logging, Riparian Management Zone (RMZ) rules, Wetland Management Zones (WMZ) rules, Channel Migration Zone (CMZ) rules and unstable slopes.

Enrollment Requirement: NATRS 182 with a grade of 2.0 or higher; concurrent enrollment in NATRS 402 and 403; and instructor consent.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of current high lead and skyline logging systems involving both cable and aerial operations.
- Demonstrate the knowledge of safety rules involving Labor and Industries (L&I) as they apply.
- Identify types of rigging and equipment used in Aerial Cable operations.
- Demonstrate harvest unit planning, design and layout objectives.
- Demonstrate the knowledge of and identify commercial thinning operations and fire salvage operations.
- Identify Riparian Migration Zones (RMZ), Wetland Migration Zones (WMZ) and Channel Migration Zone (CMZ) protection rules in regards to harvest operations.
- Identify and delineate unstable slopes and the rules that apply.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 402 - Advanced Harvest Systems: Ground Based

Credits: 4

Focuses on more in-depth understanding of various harvest systems for the applied forester or land manager. Topics include mechanical operations for ground based systems, rigging requirements, payload analysis, harvest unit planning and layout. Specialized areas include helicopter logging, Riparian Management Zone (RMZ) rules, Wetland Management Zones (WMZ) rules, Channel Migration Zone (CMZ) rules and unstable slopes.

Enrollment Requirement: NATRS 182 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge and identify current ground based harvest operations available in the Forest Industry.
- Demonstrate knowledge and identify safety rules involving Labor and Industries (L&I).
- Identify types of rigging and equipment used in ground based harvest operations.
- Demonstrated skills in harvest unit planning, design and layout objectives used in ground based operations.
- Demonstrate the knowledge of and identify commercial thinning operations and fire salvage operations.
- Identify Riparian Migration Zones (RMZ), Wetland Migration Zones (WMZ) and Channel Migration Zone (CMZ) protection rules in regards to harvest operations.
- Identify and delineate unstable slopes and the rules that apply.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 403 - Transportation System Design

Credits: 3

An intermediate level class for foresters and resource managers in issues and responsibilities relating to transportation systems. Students study road types, standards and design procedures. Includes basic soil engineering, route surveying, reconnaissance and design software. Specialized topics include design and installation of drainage structures, erosion control techniques and methods, and material stockpiles. Covers administrative activities such as road costing, rules, regulations, permits and road maintenance plans.

Enrollment Requirement: NATRS 182 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the different classification of haul roads such as Class A, B, C and D miles and the associated rate for each class and the different design and standards for permanent mainline roads, spurs and temporary roads.
- Demonstrate basic road engineering to perform road pegging, route surveying and reconnaissance, road location and field layout.
- Identify fish passage issues, proper drainage structures and different erosion control techniques as they pertain to road construction.
- Demonstrate their ability to analyze road costing, have knowledge of Forest Practice rules and regulations and the permitting process and maintenance dictate transportation designs.
- Demonstrate their knowledge to identify the difference between road abandonment, deactivation and decommissioning.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.

- Demonstrate good written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 416 - UAV Applications and Mapping

Credits: 5

Explore unmanned aerial vehicle (UAV) applications for mapping including methods of data collection, processing, and analysis for agriculture, real-estate, surveying, construction, with an emphasis on natural resources and forestry applications. Gain knowledge of rules and regulations of commercial use of UAVs including federal, state, and local jurisdiction regulations. Become familiar with UAV platforms for data acquisition, software for automated data collection, and software for acquired data post processing. Learn to use mapping software for remote sensing, image analysis, and change detection from data collected in the field.

Enrollment Requirement: NATRS 192 or equivalent; and instructor consent.

Recommended: NATRS 107

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize UAV technology as a form of data collection.
- Differentiate between federal, state, and local regulations regarding UAV's.
- Engage in safe and efficient drone flights.

- Perform image processing from collected data imagery.
- Perform statistical analysis from processed imagery.
- Create a comprehensive final project for a region of interest using UAV applications and other relevant GIS applications.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 417 - Resource Management GIS Applications 1

Credits: 2

A supplementary GIS course that accompanies NATRS 386 Bio Invasions. Students apply GIS principles to generate projects for NATRS 386. Students build on their current GIS skills and employ trouble shooting and problem solving with the ultimate outcome of successful spatial mapping and analysis to complete NATRS 386 assignments.

Enrollment Requirement: NATRS 192 with a grade of 2.0 or higher; and concurrent enrollment with NATRS 386; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize ArcPro software to complete mapping projects.
- Problem solve ArcPro tools to complete tasks by utilizing ArcPro Help, Search and on-line help forums.
- Download and upload geospatial data files and correctly import them into ArcPro.
- Define projections of data layers for map creation and analysis.
- Create file geodatabases, feature datasets, feature classes, fields and domains as necessary to support NATRS 386 content.
- Create metadata to support new data creation.
- Create user-friendly and client centered maps.
- Conduct spatial analysis as necessary to support NATRS 386 content.
- Write detailed reports explaining data acquisition, processing, and analysis techniques.
- Create and present a final project encompassing the above outcomes.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 418 - Resource Management GIS Applications 2

Credits: 2

A supplementary GIS course that accompanies NATRS 493 Advanced Silviculture. Students apply GIS principles to generate projects for NATRS 493. Students build on their current GIS skills and employ trouble shooting and problem solving with the ultimate outcome of successful spatial mapping and analysis to complete NATRS 493 assignments.

Enrollment Requirement: NATRS 192 with a grade of 2.0 or higher; concurrent enrollment with NATRS 493; and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize ArcPro software to complete mapping projects.
- Problem solve ArcPro tools to complete tasks by utilizing ArcPro Help, Search and on-line help forums.
- Download and upload geospatial data files and correctly import them into ArcPro.
- Define projections of data layers for map creation and analysis.
- Create file geodatabases, feature datasets, feature classes, fields and domains as necessary to support NATRS 493 content.
- Create metadata to support new data creation.
- Create user-friendly and client centered maps.
- Conduct spatial analysis as necessary to support NATRS 493 content.
- Write detailed reports explaining data acquisition, processing, and analysis techniques.
- Create and present a final project encompassing the above outcomes.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 419 - Resource Management GIS Applications 3

Credits: 2

A supplementary GIS course that accompanies NATRS 461 Wildlife Ecology Students apply GIS principles to complete projects for NATRS 461. Students build on their current GIS skills and utilize trouble shooting and problem solving with the ultimate outcome of generating successful spatial mapping and analysis to complete NATRS 461 assignments.

Enrollment Requirement: NATRS 192 with a grade of 2.0 or higher; concurrent enrollment with NATRS 461 and instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize ArcPro software to complete mapping projects.
- Problem solve ArcPro tools to complete tasks by utilizing ArcPro Help, Search and on-line help forums.
- Download and upload geospatial data files and correctly import them into ArcPro.
- Define projections of data layers for map creation and analysis.
- Create file geodatabases, feature datasets, feature classes, fields and domains as necessary to support NATRS 461 content.
- Create metadata to support new data creation.
- Create user-friendly and client centered maps.
- Conduct spatial analysis as necessary to support NATRS 461 content.
- Write detailed reports explaining data acquisition, processing, and analysis techniques.
- Create and present a final project encompassing the above outcomes.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland or Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NATRS 461 - Wildlife Ecology

Credits: 5

Students examine, identify and determine important wildlife habitats and their characteristic plants and animals within an ecological and management context through outdoor application of concepts. Discusses identification of species and habitats as well as life histories and ecology of important species. Examines and critiques scientific principles and management implications. Students organize and carry out a scientific sampling and assessment in the field.

Enrollment Requirement: NATRS 161 with grades of 2.0 or higher or concurrent enrollment; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of basic wildlife ecology principles including population dynamics.
- Apply skill and knowledge to collect wildlife habitat and ecology data needed for habitat assessment and management.
- Access, read and understand scientific and government documents related to wildlife ecology topics.
- Conduct and write up a wildlife related research project.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperator.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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NATRS 471 - Restoration Techniques

Credits: 5

Examines Forest restoration at multiple spatial scales from stand to watershed to landscape levels. Students demonstrate outdoor skills and conduct restoration assessments. Compares goals for biological conservation, invasive species management, carbon sequestration, and economic viability through field trips and applied experience with restoration techniques and case studies.

Enrollment Requirement: ENGL 335 with grade of 2.0 or higher or concurrent enrollment; and NATRS 210 with a grade of 2.0 or higher; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge and skill in assessing a stand for restoration potential.
- Demonstrate an understanding of various restoration techniques used for a variety of degraded environments.
- Demonstrate an understanding of the ecological, economic and social aspects of preparing and conducting restoration projects at various spatial and temporal scales.
- Prepare a management plan for a restoration project.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.
- Demonstrate effective written and verbal communications between industry partners and cooperator.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

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NATRS 493 - Advanced Silviculture

Credits: 5

Students learn, through classroom and field studies, woody plant interactions with environmental stresses including changes to stand structure caused by humans, nature or time and selection using genetic principles for improved growth. Students participate in hands-on seedling production methods while applying the theory and practice of controlling forest establishment, composition, and growth. Students assess fundamentals of forest stand development and dynamics and use critical thinking to propose forest stewardship techniques to satisfy a range of possible objectives (biological, economic, and social).

Enrollment Requirement: ENGL 128, NATRS 292 and 293 with grades of 2.0 or higher; and MATH& 146 with grade of 2.0 or higher or concurrent enrollment; and concurrent enrollment in NATRS 418; and instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the most common silvicultural tools and practices and how to use them appropriately to meet management objectives.
- Explain growth and yield dynamics for forest stands under a variety of management regimes.
- Demonstrate the use and applicability of at least one growth model for making silviculture decisions.
- Evaluate various silvicultural activities for biologic, economic and social soundness.

Program Outcomes

- Attain a job in the Natural Resources field.
- Manage Forestland and Resources to attain positive outcomes.

- Demonstrate effective written and verbal communications between industry partners and cooperators.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 494 - Capstone in Natural Resources Proposal

Credits: 1

Communicate within the natural resources community in a hands-on application where they synthesize knowledge and skills to create or construct a desired project outcome for a forestry-related project. Produce projects individually or in a team that will be carried out to completion in subsequent classes.

Enrollment Requirement: Instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Synthesize cumulative knowledge and skills to develop desired project outcome(s).
- Work with a sponsoring entity to develop a complete project proposal.
- Explain their proposal and process to all stakeholders.

Program Outcomes

- Demonstrate knowledge and develop skills applying current laws, policies and regulations governing forest land operations and land management as well as the social and political effects of natural resource management including harvest, road construction and public use.

- Demonstrate the ability to evaluate forest resource conditions, including forest health, invasive species and past management to form and carry out prescription to meet landowner objectives in a variety of forest conditions.
- Demonstrate the knowledge of ecological processes and principles and the effects of management on forest land resources.
- Demonstrate the expertise to collect, analyze and evaluate field data using current technology and equipment through scientific and land management processes.
- Integrate geospatial workflows for problem-solving and analysis related to natural resources management through implementation of current GIS software and tools.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 495 - Capstone in Natural Resources Field Work

Credits: 2

Conduct field work and other associated tasks in connection with capstone project proposals by working with a sponsoring organization. Students are given the opportunity to utilize, synthesis and expand knowledge and expertise in key areas of interest to them through their capstone work.

Enrollment Requirement: NATRS 494 with a grade of 2.0 or higher or concurrent enrollment; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Conduct field work and other necessary tasks in connection with their capstone project proposal by working with a sponsoring organization.

- Expand their natural resource and interpersonal skills through the capstone process.
- Gain additional knowledge and experience in key areas associated with the capstone project.

Program Outcomes

- Demonstrate knowledge and develop skills applying current laws, policies and regulations governing forest land operations and land management as well as the social and political effects of natural resource management including harvest, road construction and public use.
- Demonstrate the ability to evaluate forest resource conditions, including forest health, invasive species and past management to form and carry out prescription to meet landowner objectives in a variety of forest conditions.
- Demonstrate the knowledge of ecological processes and principles and the effects of management on forest land resources.
- Demonstrate the expertise to collect, analyze and evaluate field data using current technology and equipment through scientific and land management processes.
- Integrate geospatial workflows for problem-solving and analysis related to natural resources management through implementation of current GIS software and tools.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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NATRS 496 - Capstone in Natural Resources Delivery

Credits: 2

Finalize all necessary steps to complete all deliverables including making a presentation of the project to the sponsoring organization. Final field work, data analysis, meetings, evaluations, writing and other necessary tasks are finished.

Enrollment Requirement: NATRS 494 and 495 with grades of 2.0 or higher or

concurrent enrollment; and instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Articulate the results of their work product(s) to supervisors and other stakeholders.
- Deliver a completed use-able project of their own creation to the sponsoring organization.
- Assess and evaluate their skills and abilities in a natural resource field.
- Assess and evaluate their personal character and knowledge growth.

Program Outcomes

- Demonstrate knowledge and develop skills applying current laws, policies and regulations governing forest land operations and land management as well as the social and political effects of natural resource management including harvest, road construction and public use.
- Demonstrate the ability to evaluate forest resource conditions, including forest health, invasive species and past management to form and carry out prescription to meet landowner objectives in a variety of forest conditions.
- Demonstrate the knowledge of ecological processes and principles and the effects of management on forest land resources.
- Demonstrate the expertise to collect, analyze and evaluate field data using current technology and equipment through scientific and land management processes.
- Integrate geospatial workflows for problem-solving and analysis related to natural resources management through implementation of current GIS software and tools.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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Natural Science

N SCI 194 - Special Topics-Natural Science

Credits: 1-5

Offers non-lab science subject matter that is not part of the regular curriculum. Content varies from course to course.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be determined by instructor based on selected course topic(s).

Nursing

INPNUR 102 - Internationally Educated LPN Theory

Credits: 6

Designed to update internationally educated practical nurses on the foundational theories and evidence-based practices essential to meet Washington State's licensure requirements. Course content covers the nursing process, pharmacology, and the evolving role of the practical nurse within today's healthcare system. Topics include legal expectations, the Washington Nurse Practice Act, and practical nursing ethics. The course will integrate physical, biological, and social sciences to enhance understanding of nursing care across diverse cultural, ethnic, and socioeconomic backgrounds. Participants will build on their previous nursing knowledge to gain a comprehensive understanding of nursing fundamentals, medical-surgical care, and mental health nursing across the lifespan.

Enrollment Requirement: Application and approval **Recommended:** ENGL& 101 - English Composition I

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate safe nursing care, using the nursing process clinical judgment, evidence-based practice, and principles of pharmacology to clients across the lifespan.
- Incorporate the legal and ethical framework for practical nursing practice in Washington. Demonstrate effective communication, observation, and documentation skills necessary for patient care.
- Integrate legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for diverse clients across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.

- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

INPNUR 103 - Internationally Educated LPN Laboratory

Credits: 2

This course provides focused, hands-on lab experience designed to help internationally educated practical nurses (IEPNs) acquire and refine essential nursing skills before entering clinical practice. Participants will engage in structured skill-building exercises covering foundational nursing procedures, including patient assessment, vital signs, medication administration, wound care, and infection control. This lab-based course emphasizes the development of technical proficiency, safety, and accuracy in nursing interventions. Participants will demonstrate effective communication and teamwork skills necessary for delivering patient-centered care. The course aims to build confidence and competence in practical nursing skills that will be applied in clinical settings. This is a pass/no credit course.

Enrollment Requirement: Application and Approval **Recommended:** ENGL& 101 -

Course Outcomes:

Students who successfully complete this class will be able to:

- Acquire and demonstrate proficiency in core practical nursing skills, including patient assessment, vital signs, and medication administration.
- Demonstrate safe and effective infection control techniques, including proper use of personal protective equipment (PPE).
- Develop the ability to communicate effectively with patients, families, and interdisciplinary healthcare teams.
- Apply critical thinking and problem-solving in simulated patient care situations.
- Build readiness for clinical practice by mastering the technical and interpersonal skills required for safe and ethical patient care.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

INPNUR 105 - Internationally Educated LPN Clinical

Credits: 4

This course is aimed at preparing internationally educated practical nurses for practical application of nursing knowledge and skills in diverse healthcare settings. Participants will gain hands-on experience in clinical decision-making, patient care, and the professional roles of practical nurses, with a focus on medical-surgical, mental health, and geriatric care. Clinical experiences and simulations will reflect care across the lifespan and emphasize cultural competence, patient safety, and collaboration within interdisciplinary teams. By the end of the course, participants will be prepared to transition into the practical nursing workforce in Washington State, understanding their professional identity and scope of practice. This is a pass/no credit course.

Enrollment Requirement: Application and Approval **Recommended:** ENGL& 101 - English Composition I

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply nursing knowledge and skills in a clinical environment.
- Utilize the nursing process and clinical judgement to manage patient care across different healthcare settings.
- Demonstrate safe and ethical nursing practices in accordance with Washington State laws. Effectively communicate and collaborate within an interdisciplinary healthcare team.
- Provide culturally informed care to diverse patient populations across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

INRNUR 102 - Internationally Educated RN Theory

Credits: 8

This course is designed for internationally educated registered nurses (IERNs) to gain a comprehensive understanding of the current concepts, standards, and expectations of nursing practice in the U.S. healthcare system. The course covers essential topics, including the nursing process, pharmacology, and professional nursing roles, with a focus on legal and ethical responsibilities under the Washington State Nurse Practice Act and the Uniform Disciplinary Act. Participants will explore the physical, biological, and social sciences necessary for nursing practice and apply these concepts to diverse patient populations across the lifespan. The course also addresses key areas of registered nursing practice, including medical-surgical, mental health, family, pediatric, community, and geriatric nursing.

Enrollment Requirement: Application and Approval **Recommended:** ENGL& 101 - English Composition I

Course Outcomes:

Students who successfully complete this class will be able to:

- Engage in clinical judgment that integrates evidence-based practice to ensure healthcare quality and safety and make client/relationship centered care decisions to diverse patients across the lifespan.
- Integrate pharmacological principles into safe and effective medication administration and patient care.
- Demonstrate effective communication, observation, and documentation skills necessary for patient care.

- Integrate legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for diverse clients across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

INRNUR 103 - Internationally Educated RN Lab

Credits: 2

This course provides internationally educated registered nurses (IERNs) with intensive hands-on practice to acquire and refine essential nursing skills necessary for clinical practice in the U.S. healthcare system. The course focuses on competency-based learning in key areas such as medical-surgical, mental health, obstetrical, family, pediatric, and geriatric nursing. Through hands-on skills practice and simulated patient care scenarios, participants will enhance their ability to apply advanced clinical skills,

critical thinking, and decision-making in a controlled environment. The lab-based approach emphasizes technical proficiency, patient safety, and adherence to Washington State's nursing standards. Participants will also strengthen their communication, teamwork, and patient care management skills in preparation for real-world clinical practice. This is a pass/no credit course.

Enrollment Requirement: Application and Approval **Recommended:** ENGL& 101 - English Composition I

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate competence in performing nursing skills integrating information from the arts and sciences and evidence-based practice, and applying clinical reasoning.
- Demonstrate safe, ethical nursing interventions with a focus on patient safety and adherence to scope of practice of a Registered Nurse and professional standards. Demonstrate effective communication and collaboration skills required for interdisciplinary teamwork and patient-centered care.
- Build readiness for clinical practice by mastering the technical and interpersonal skills necessary for registered nursing practice across diverse healthcare settings.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

INRNUR 105 - Internationally Educated RN Clinical

Credits: 5

This course provides internationally educated registered nurses (IERNs) with hands-on practice in applying advanced nursing knowledge and skills in the clinical environment. The course focuses on developing clinical competencies in medical-surgical, mental health, obstetrical, pediatric, family, and geriatric nursing. Through clinical experiences, participants will hone their clinical decision-making, problem-solving, and critical thinking abilities. Emphasis is placed on patient safety, professional ethics, and collaboration within interdisciplinary healthcare teams. Clinical experiences and simulations will reflect care across the lifespan, preparing participants to provide culturally informed, safe, and effective care in diverse healthcare settings.

Enrollment Requirement: Application and Approval **Recommended:** ENGL& 101 - English Composition I

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the nursing process and clinical judgement to manage complex patient care scenarios in simulated environments, ensuring safe, evidence-based and ethical practices. Demonstrate clinical competency in a variety of clinical settings with diverse populations across the lifespan.
- Collaborate effectively with interdisciplinary healthcare teams in the management of patient care.
- Provide culturally informed care, addressing the diverse needs of patients and their families across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.

- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NCLEX 101 - NCLEX Preparation

Credits: 5

The course will provide a thorough review of nursing concepts, critical thinking skills, and test-taking strategies essential for success on the NCLEX-RN or NCLEX-PN exams. Through lectures, practice exams, and simulated clinical scenarios, students will reinforce their knowledge and build confidence in their ability to pass the exam. Emphasis will be placed on understanding the exam format, mastering content areas, and developing effective study habits.

Enrollment Requirement: Application and Admission

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate proficiency in key nursing concepts across the NCLEX content areas, including pharmacology, health promotion, and disease prevention.
- Apply critical thinking and clinical judgment skills to prioritize patient care and make informed decisions in simulated scenarios.

- Complete multiple NCLEX-style practice exams to assess knowledge retention and identify areas needing further review.
- Develop personalized study plans and effective study techniques to enhance retention of nursing knowledge and improve test performance.
- Implement strategies for managing test anxiety and stress, ensuring a calm and focused approach to exam day.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

RFPNUR 102 - Refresher LPN Theory

Credits: 6

This course is designed to provide a comprehensive review and update of current practical nursing concepts for LPNs re-entering the profession. Course content covers the nursing process, pharmacology, and the evolving role of the practical nurse within today's healthcare system. Topics include legal expectations, the Washington Nurse Practice Act, and practical nursing ethics. The course will integrate physical, biological, and social sciences to enhance understanding of nursing care across diverse cultural, ethnic, and socioeconomic backgrounds. Participants will build on their previous nursing knowledge to gain a comprehensive understanding of nursing fundamentals, medical-surgical care, and mental health nursing.

Enrollment Requirement: Application and Admission

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate safe nursing care, using the nursing process clinical judgment, evidence-based practice, and principles of pharmacology to clients across the lifespan.

- Incorporate the legal and ethical framework for practical nursing practice in Washington.
- Demonstrate effective communication, observation, and documentation skills necessary for patient care.
- Integrate legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for diverse clients across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

RFPNUR 103 - Refresher LPN Laboratory

Credits: 2

Designed to help LPNs re-entering the profession acquire and practice the essential

nursing skills needed before beginning clinical practice. Participants will engage in structured skill-building exercises covering foundational nursing procedures, including patient assessment, vital signs, medication administration, wound care, and infection control. This lab-based course emphasizes the development of technical proficiency, safety, and accuracy in nursing interventions. Participants will demonstrate effective communication and teamwork skills necessary for delivering patient-centered care. The course aims to build confidence and competence in practical nursing skills that will be applied in clinical settings. This is a pass/no credit course.

Enrollment Requirement: Application and Admission

Course Outcomes:

Students who successfully complete this class will be able to:

- Acquire and demonstrate proficiency in core practical nursing skills, including patient assessment, vital signs, and medication administration.
- Demonstrate safe and effective infection control techniques, including proper use of personal protective equipment (PPE).
- Develop the ability to communicate effectively with patients, families, and interdisciplinary healthcare teams.
- Apply critical thinking and problem-solving in simulated patient care situations.
- Build readiness for clinical practice by mastering the technical and interpersonal skills required for safe and ethical patient care.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

RFPNUR 105 - Refresher LPN Clinical

Credits: 4

This course provides practical nursing students with supervised clinical practice in real-world healthcare settings. Participants will gain hands-on experience in clinical decision-making, patient care, and the professional roles of practical nurses, with a focus on medical-surgical, mental health, and geriatric care. Clinical experiences and simulations will reflect care across the lifespan and emphasize cultural competence, patient safety, and collaboration within interdisciplinary teams. By the end of the course, participants will be prepared to transition into the practical nursing workforce in Washington State, understanding their professional identity and scope of practice. This is a pass/no credit course.

Enrollment Requirement: Application and Admission

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply nursing knowledge and skills in a clinical environment.
- Utilize the nursing process and clinical judgement to manage patient care across different healthcare settings.
- Demonstrate safe and ethical nursing practices in accordance with Washington State laws.
- Effectively communicate and collaborate within an interdisciplinary healthcare team.
- Provide culturally informed care to diverse patient populations across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.

- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

RFRNUR 102 - Refresher RN Theory

Credits: 8

This course provides an in-depth review of advanced nursing concepts in the participant's chosen specialty area, such as medical-surgical, pediatrics, obstetrics, psychiatric, acute care, intensive care, extended care, or community health. The course covers essential topics, including the nursing process, pharmacology, and professional nursing roles, with a focus on legal and ethical responsibilities under the Washington State Nurse Practice Act and the Uniform Disciplinary Act. Participants will explore the physical, biological, and social sciences necessary for nursing practice and apply these concepts to diverse patient populations across the lifespan. The course also addresses key areas of registered nursing practice, including medical-surgical, mental health, family, pediatric, community, and geriatric nursing.

Enrollment Requirement: Application and Admission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Engage in clinical judgment that integrates evidence-based practice to ensure healthcare quality and safety and make client/relationship centered care decisions to diverse patients across the lifespan.
- Integrate pharmacological principles into safe and effective medication administration and patient care.
- Demonstrate effective communication, observation, and documentation skills necessary for patient care.
- Integrate legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for diverse clients across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

RFRNUR 103 - Refresher RN Laboratory

Credits: 2

This course focuses on skill acquisition and refinement for registered nurses preparing to re-enter specialty practice. The course focuses on competency-based learning in key areas such as medical-surgical, mental health, obstetrical, family, pediatric, and geriatric nursing. Through hands-on skills practice and simulated patient care scenarios, participants will enhance their ability to apply advanced clinical skills, critical thinking, and decision-making in a controlled environment. The lab-based approach emphasizes technical proficiency, patient safety, and adherence to Washington State's nursing standards. Participants will also strengthen their communication, teamwork, and patient care management skills in preparation for real-world clinical practice. This is a pass/no credit course.

Enrollment Requirement: Application and Admission.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate competence in performing nursing skills integrating information from the arts and sciences and evidence-based practice, and applying clinical reasoning.
- Demonstrate safe, ethical nursing interventions with a focus on patient safety and adherence to scope of practice of a Registered Nurse and professional standards.
- Demonstrate effective communication and collaboration skills required for interdisciplinary teamwork and patient-centered care.
- Build readiness for clinical practice by mastering the technical and interpersonal skills necessary for registered nursing practice across diverse healthcare settings.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

RFRNUR 105 - Refresher RN Clinical

Credits: 5

This course provides registered nurses with hands-on experience in their chosen specialty area, such as medical-surgical, pediatrics, psychiatric, obstetrics, acute care, intensive care, or community health nursing. The course focuses on developing clinical competencies in medical-surgical, mental health, obstetrical, pediatric, family, and geriatric nursing. Through clinical experiences, participants will hone their clinical decision-making, problem-solving, and critical thinking abilities. Emphasis is placed on patient safety, professional ethics, and collaboration within interdisciplinary healthcare teams. Clinical experiences and simulations will reflect care across the lifespan, preparing participants to provide culturally informed, safe, and effective care in diverse healthcare settings. This is a pass/no credit course.

Enrollment Requirement: Application and Admission

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the nursing process and clinical judgement to manage complex patient care scenarios in simulated environments, ensuring safe, evidence-based and ethical practices.
- Demonstrate clinical competency in a variety of clinical settings with diverse populations across the lifespan.
- Collaborate effectively with interdisciplinary healthcare teams in the management of patient care.
- Provide culturally informed care, addressing the diverse needs of patients and their families across the lifespan.

Program Outcomes

- Effectively utilize the nursing process and clinical judgement to deliver safe, patient-centered care across the lifespan and within diverse healthcare settings.
- Make informed, evidence-based decisions to manage complex patient care scenarios and optimize health outcomes.
- Incorporate legal and ethical guidelines within the scope of practice of Washington State Nurse Practice Act and the Scope of Practice Decision Tree.
- Demonstrate strong communication, reporting, and documentation skills to collaborate with interdisciplinary healthcare teams and interact with patients and families.
- Deliver patient-centered care that respects and addresses the diverse cultural, ethnic, and socioeconomic backgrounds of individuals and communities.
- Exhibit confidence and preparedness to transition into practice by applying nursing knowledge and skills in clinical experiences, emphasizing safety, efficiency, and quality of care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Nursing, BSN

BNURSE 312 - Registered Nurse's Role in Holistic Health Assessment & Care

Credits: 3

Building on previous Licensed Practical Nurse (LPN) education and practice, this course examines the expanded role and responsibilities of the Registered Nurse in the assessment of health and the delivery of care using a holistic, person-centered approach. Also included is nursing theories, Quality and Safety Education for Nurses (QSEN), Social Determinants of Health, and Healthy People 2030.

Enrollment Requirement: Enrollment in the LPN to BSN Program.

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Synthesize knowledge from the arts and sciences to provide holistic, evidence-based nursing care to the client across the life span using critical reasoning.
- Analyze the role of the nurse, using clinical reasoning and evidence-based practice when caring for the client with a health disorder.
- Explain systems-based practice to enhance collaboration to coordinate and manage health care that promotes health and prevents illness.
- Describe the application of clinical judgment in the nursing care of a client with a health disorder.
- Examine the indications, implications, side effects, contraindications, patient teaching and safety precautions for clients receiving medication and non-pharmacological treatments related to course theory content.
- Evaluate the pathophysiology, clinical manifestations, diagnostic tests, medical and nursing management of health conditions experienced by clients across the lifespan.
- Implement health promotion and disease amelioration activities related to health conditions experienced across the lifespan taking into account relevant social determinants of health.
- Distinguish the RN role from the LPN role regarding culturally appropriate nursing care for clients across the life span including communication, legal, economic, sociocultural aspects of care.
- Explain various nursing and other theories that provide the foundation for current holistic, person-centered nursing care.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.

- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BNURSE 313 - Registered Nurse's Role in Holistic Health Assessment & Care Lab

Credits: 2

Provides opportunities to practice and demonstrate nursing skills associated with the Registered Nurse's Role in Holistic Health Assessment & Care in preparation for more advanced clinical experiences. Additionally, students complete a concept map and perform a head-to-toe assessment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of medical-surgical clients in a nursing lab environment.
- Demonstrate competence in performing nursing skills integrating information from the arts and sciences and evidence-based practice, and applying clinical reasoning.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care when providing care to medical-surgical clients in the nursing lab environment.
- Communicate clearly to client and family, as well other health care team members to provide for continuity of care.

- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.
- Demonstrate accurate calculation of medication dosage and other mathematical applications related to nursing care.
- Develop a concept map(s) using the clinical judgment and action model.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 314 - Pathophysiology, Pharmacology, and Physical Assessment for LPN to RN

Credits: 5

Examines concepts of pathophysiology and physical assessment findings that are the basis for clinical judgment when providing holistic, high quality, person-centered nursing care, and related pharmacology.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain how pathophysiological changes impact human health across the lifespan.
- Distinguish methods of performing physical assessment to determine the body's response to health and illness.
- Describe physical assessment findings associated with pathophysiological changes for clients across the lifespan.
- Interpret the general principles of pharmacotherapeutics, pharmacokinetics, pharmacodynamics, and pharmacogenetics/genomics in wellness promotion and illness prevention and treatment.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 317 - Registered Nurse's Role in Holistic Health Assessment & Care Simulation

Credits: 1

On campus and virtual simulation scenarios related to content in the Registered Nurse's Role in Holistic Health Assessment & Care will provide the student with the opportunity to apply clinical skills using the nursing process and demonstrate developing clinical judgment when giving culturally sensitive care in a safe simulation environment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe patterns and deviations in subjective and objective data related to the care of clients who are in different stages of the life cycle in a simulation environment.
- Interpret data to determine appropriate nursing response within legal and ethical guidelines to address relevant client data.
- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a simulation environment.

- Integrate principles of safety, quality, collaboration, person-centered care, systems-based care when providing care in a simulation environment.
- Demonstrate safe performance of nursing care in a simulation environment.
- Communicate clearly to client and family, as well other health care team members to provide for continuity of care.
- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 332 - Applied Critical Thinking in Maternal-Child Nursing

Credits: 5

Concentrates on nursing care of the perinatal family and pediatric/family client experiencing wellness and/or acute and chronic conditions. Safe, evidence-based, holistic, person-centered topics related to gender-based health throughout the lifespan will be examined.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Synthesize knowledge from the arts and sciences to provide nursing care to the reproductive family during antepartum, intrapartum, and postpartum phases as well as the care of the pediatric client/family.
- Analyze the role of the nurse, using clinical reasoning, evidence-based practice, and family centered care when caring for the pediatric and reproductive family with medical-surgical, mental, and cognitive conditions.
- Explain systems-based practice to enhance collaboration to coordinate and manage health care for the reproductive family / pediatric client/family that promotes health and prevents illness.
- Describe the application of clinical judgment in the nursing care for a reproductive family / pediatric client/family.
- Examine the indications, implications, side effects, contraindications, patient teaching and safety precautions for clients receiving medication and non-pharmacological treatments related to course theory content.
- Evaluate the pathophysiology, clinical manifestations, diagnostic tests, medical and nursing management of conditions experienced by the reproductive family / pediatric client/family.
- Implement health promotion activities and hazard prevention with the client/family/caregiver related to the common medical surgical, mental, and cognitive conditions experienced by pediatric and reproductive/newborn clients, taking into account relevant social determinants of health.
- Apply growth and development theories to enhance effective communication, patient education, and advocacy for the perinatal family and pediatric client/family.
- Describe nutritional requirements for patients to support health and growth and development across the lifespan.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 333 - Maternal/Child Nursing Lab

Credits: 1

Addresses perinatal and pediatric related nursing skills and their application in the clinical setting using clinical judgment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a reproductive family / pediatric client/family in a nursing lab environment.
- Demonstrate competence in performing nursing skills integrating information from the arts and sciences and evidence-based practice, and applying clinical reasoning to pediatric and childbearing family nursing skills.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care when providing care to pediatric and childbearing family in the nursing lab environment.
- Communicate clearly to client and family, as well other health care team members to provide for continuity of care.
- Demonstrate accurate calculation of medication dosage and other mathematical applications related to nursing care.
- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 335 - Maternal/Child Nursing Clinical

Credits: 2

Directed on the nursing care of pediatric and child-bearing families, implementing care that addresses developmental, ethnic, and cultural influences. Health promotion, wellness teaching needs, and perinatal care will be addressed. Emphasis placed on application of developmental theory when providing nursing care with a pediatric population.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize clinical judgment in providing holistic, evidence-based, person/family-centered care for a pediatric or childbearing family within legal and ethical standards of the profession.
- Demonstrate self and professional leadership when coordinating and managing safe, high-quality care in alignment with best practice and other regulatory standards for pediatric and/or childbearing families.
- Employ communication and therapeutic relationship skills that meet the developmental, cognitive, psychosocial, cultural, and physiological needs of diverse pediatric or childbearing families.
- Use informatics and other healthcare technologies to collaborate with other members of the healthcare team when managing efficient nursing care.
- Develop and implement teaching to a pediatric or childbearing family client.

- Develop a plan to meet own personal, professional, and educational goals related to the care of a pediatric or childbearing family.
- Reflect on clinical experiences related to QSEN competencies and progress on the program learning outcomes.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 337 - Maternal/Child Nursing Simulation

Credits: 1

On campus and virtual simulation scenarios related to content in Applied Critical Thinking in Maternal-Child Nursing will provide the student with the opportunity to apply clinical skills using the nursing process, and demonstrate clinical judgment when giving culturally sensitive care in a safe simulation environment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe patterns and deviations in subjective and objective data related to the care of perinatal family / pediatric clients who are in different stages of the life cycle in a simulation environment.
- Interpret data to determine appropriate nursing response within legal and ethical guidelines to address relevant perinatal family / pediatric client/family data.
- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a perinatal family / pediatric client/family in a simulation environment.
- Integrate principles of safety, quality, collaboration, person-centered care, family-centered care, systems-based care when providing care in a simulation environment.
- Demonstrate safe performance of nursing care in a simulation environment.
- Communicate clearly to a perinatal family / pediatric client and family, as well other health care team members to provide for continuity of care.
- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.

- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 342 - Applied Critical Thinking in Advanced Med/Surg Nursing

Credits: 5

Focuses on the development of nursing competence in planning and managing care of individuals with complex alterations in health status. Stresses integration of physiological, pathophysiological, psychological, and pharmacological concepts as well as the role of the social determinants of health essential to professional nursing practice.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Synthesize knowledge from the arts and sciences to provide holistic nursing care to the medical surgical client across the life span.
- Analyze the role of the nurse, using clinical reasoning and evidence-based practice when caring for the client with complex medical surgical conditions experienced by clients across the lifespan.

- Explain systems-based practice to enhance collaboration to coordinate and manage medical surgical health care that promotes health and prevents illness.
- Describe the application of clinical judgment in the nursing care of a client with a medical-surgical disorder.
- Examine the indications, implications, side effects, contraindications, patient teaching and safety precautions for clients receiving medication and non-pharmacological treatments related to course theory content.
- Evaluate the pathophysiology, clinical manifestations, diagnostic tests, medical and nursing management of complex medical surgical conditions experienced by clients across the lifespan.
- Implement health promotion and disease amelioration activities related to complex medical surgical conditions experienced across the lifespan taking into account relevant social determinants of health.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 343 - Advanced Med-Surg Nursing Lab

Credits: 1

Focuses on more advanced client care skills related to Applied Critical Thinking in Advanced Med-Surg Nursing content across the lifespan and their application in the clinical setting using clinical judgment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a nursing lab environment.
- Demonstrate competence in performing nursing skills integrating information from the arts and sciences and evidence-based practice, and applying clinical reasoning to med-surg nursing skills.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care when providing care to med-surg clients in the nursing lab environment.
- Communicate clearly to client and family, as well other health care team members to provide for continuity of care.
- Demonstrate accurate calculation of medication dosage and other mathematical applications related to nursing care.
- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.

- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 345 - Advanced Med-Surg Nursing Clinical

Credits: 2

Focuses on the professional role of the nurse utilizing clinical judgment and implementation of evidence-based nursing care for clients with medical-surgical health care needs.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize clinical judgment in providing holistic, evidence-based, person/family-centered care of a medical-surgical client within legal and ethical standards of the profession.
- Demonstrate self and professional leadership when coordinating and managing safe, high-quality care in alignment with best practice and other regulatory standards for medical-surgical clients.
- Employ communication and therapeutic relationship skills that meet the developmental, cognitive, psychosocial, cultural, and physiological needs of diverse medical-surgical clients.
- Use informatics and other healthcare technologies to collaborate with other members of the healthcare team when managing efficient nursing care.
- Develop and implement teaching to a medical-surgical client.
- Develop a plan to meet their own personal, professional, and educational goals related to the care of a medical-surgical client.
- Reflect on clinical experiences related to QSEN competencies and progress on the program learning outcomes.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 347 - Advanced Med-Surg Nursing Simulation

Credits: 1

On campus and virtual simulation scenarios related to content in Applied Critical Thinking in Advanced Med-Surg Nursing will provide the student with the opportunity to apply clinical skills using the nursing process, and demonstrate clinical judgment when giving culturally sensitive care in a safe simulation environment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe patterns and deviations in subjective and objective data related to the care of med-surg clients who are in different stages of the life cycle in a simulation environment.
- Interpret data to determine appropriate nursing response within legal and ethical guidelines to address relevant med-surg client data.
- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a med-surg client in a simulation environment.
- Integrate principles of safety, quality, collaboration, person-centered care, and systems-based care when providing care in a simulation environment.
- Demonstrate safe performance of nursing care in a simulation environment.
- Communicate clearly to a med-surg client and family, as well as other health care team members, to provide for continuity of care.
- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.

- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 362 - Applied Critical Thinking in Mental Health Nursing

Credits: 4

Focuses on the utilization of clinical judgment in providing evidence-based psychiatric/mental health nursing care. Includes the creation of a therapeutic milieu with therapeutic communication, principles of safety, pharmacological and alternative therapies to facilitate clinical decision making within cultural, ethical, and legal parameters for clients with psychiatric/mental health issues.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Synthesize knowledge from the art and sciences in the provision of holistic psychiatric-mental health care of individuals, families, and groups.
- Analyze selected nursing and psychological theories used in psychiatric/mental health care settings.
- Analyze the role of the nurse using clinical reasoning, evidence-based practice, and family centered care when caring for the client with a mental health disorder.
- Explain systems-based practice to enhance collaboration to coordinate and manage mental health care that promotes health and prevents illness.
- Describe the application of clinical judgment in the nursing care of a client with a psychiatric-mental health disorder.
- Examine the indications, implications, side effects, contraindications, patient teaching and safety precautions for clients receiving medication and non-pharmacological treatments related to course theory content.
- Evaluate the pathophysiology, clinical manifestations, diagnostic tests, medical and nursing management of mental health conditions experienced by clients across the lifespan.
- Implement health promotion and disease amelioration activities related to mental health conditions experienced across the lifespan taking into account relevant social determinants of health.
- Describe therapeutic communication techniques and effective interpersonal skills in the provision of psychiatric-mental health care of individuals, families, and groups.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.

- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BNURSE 365 - Mental Health Nursing Clinical

Credits: 1

Focuses on the professional role of the nurse in psychiatric/mental health nursing, utilizing clinical judgment, application of theories, and implementation of evidence-based nursing care for client with psychiatric/mental health issues while being responsive to cultural, ethical, and legal influences. Application of mental health promotion included.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize clinical judgment in providing holistic, evidence-based, person/family-centered care for a client with a psychiatric / mental health disorder within legal and ethical standards of the profession.
- Demonstrate self and professional leadership when coordinating and managing safe, high-quality care in alignment with best practice for a client with a psychiatric / mental health disorder.

- Employ therapeutic communication and therapeutic relationship skills that meet the developmental, cognitive, psychosocial, cultural, and physiological needs of diverse client with a psychiatric / mental health disorder.
- Use informatics and other healthcare technologies to collaborate with other members of the healthcare team when managing efficient nursing care.
- Develop and implement teaching to a client with a psychiatric / mental health disorder.
- Develop a plan to meet own personal, professional, and educational goals related to the care of a client with a psychiatric / mental health disorder.
- Reflect on clinical experiences related to QSEN competencies and progress on the program learning outcomes.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

BNURSE 367 - Mental Health Nursing Simulation

Credits: 1

On campus and virtual simulation scenarios related to content in Applied Critical Thinking in Mental Health Nursing will provide the student with the opportunity to apply clinical skills using the nursing process and demonstrate clinical judgment when giving culturally sensitive care in a safe simulation environment.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe patterns and deviations in subjective and objective data related to the care of clients who are in different stages of the life cycle in a simulation environment.
- Interpret data to determine appropriate nursing response within legal and ethical guidelines to address relevant client data.
- Perform holistic, culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a simulation environment.
- Integrate principles of safety, quality, collaboration, person-centered care, and systems-based care when providing care in a simulation environment.
- Demonstrate safe performance of nursing care in a simulation environment.
- Create a therapeutic milieu and utilize therapeutic communication with the client and family, as well as communicate clearly with other health care team members to provide for continuity of care.
- Evaluate personal performance to identify strengths and weaknesses leading to a plan to address weaknesses.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.

- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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BNURSE 394 - Special Topics: Nursing

Credits: 3

Enable students to pursue areas of special interest in the nursing field such as EKG interpretation, phlebotomy and IV placement and emergency medicine. Topics are subject to change. Coop fee will vary depending on topic.

Enrollment Requirement: Enrollment in the LPN to BSN program.

Course Outcomes:

Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.

- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor-of-science prepared registered nurse, and lifelong learning.
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BNURSE 412 - Nursing Ethics

Credits: 3

Focuses on the synthesis of ethical concepts required for sound clinical judgment in clinical practice across the life span. Ethical theories, values and moral development, ethical decision making, and self-determination are covered as well as the role of the nurse related to ethics in research, disasters and global consciousness.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the knowledge, skills, and attitudes that reflect critical thinking related to ethical decision making in order to provide person-centered care across the lifespan.
- Explain the role of the nurse to provide safe, high-quality holistic care when confronted with issues related to ethical issues.

- Examine professional and personal ethical values related to the provision of evidence-based and efficient nursing care.
- Evaluate the role of the nurse regarding the person's right for self-determination.
- Employ professional standards of the nurse when confronted with disasters and other global concerns.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
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BNURSE 422 - Academic Inquiry and Research in Nursing Science

Credits: 3

Examines the natures of inquiry and research, language, and processes with content focused on how research contributes to the development of knowledge, improves nursing practice, and enhances professional development and accountability. Students will critically appraise and interpret research studies including an exploration of legal and ethical issues and bias.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize the process of inquiry to evaluate and augment current and emerging nursing practices.
- Systematically appraise nursing theory, practice, and research.
- Discuss legal and ethical issues related to research including the role in protecting human subjects in research.
- Describe major sources of bias when appraising research.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
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BNURSE 424 - Evidence-Based Practice in Nursing

Credits: 3

Focuses on the impact of evidence-based practice on patient safety. Introduction of the PICOT process, appraising knowledge, implementing evidence-based practice, methods to sustain change, and dissemination of evidence are included.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the steps of the evidence-based practice process.
- Utilize the Population/Patient Problem, Intervention, Comparison, Outcome, Time (PICOT) format for asking clinical questions.
- Critically appraise evidence for decision making related to clinical practice.
- Describe the factors related to implementation of evidence in clinical practice.
- Disseminate information of evidence-based practice implementation.
- Discuss measures to facilitate the generation of evidence.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.

- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
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BNURSE 426 - Reflective Practice/Portfolio 1

Credits: 1

Students begin the development of a professional nursing portfolio to provide evidence of competencies, certifications, and continuing education. Introduces reflection on nursing practice, reflection related to Quality and Safety Education for Nurses (QSEN) Competencies, and reflection related to self-progress toward the Program Learning Outcomes.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Outcomes:

Students who successfully complete this class will be able to:

- Begin a reflective practice portfolio.
- Perform reflective journaling related to personal work experiences, and Quality and Safety Education for Nurses (QSEN).
- Describe personal and professional development as a BSN student with evidence of integrating knowledge of the arts and sciences, evidence-based practice, clinical reasoning, holistic person-centered care, use of research information, quality assurance/improvement, systems-based practice, use of other healthcare technologies, and leadership.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 428 - Patient Safety & Quality Improvement

Credits: 3

Focuses on the process of continuous quality improvement to improve patient safety by examining the components of quality improvement and utilizing methods to measure and analyze care quality.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the impact of quality improvement on patient safety.
- Describe legal, ethical, and regulatory standards influencing quality improvement.
- Utilize methods to measure and analyze care quality.
- Develop and present a quality improvement project.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
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- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
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BNURSE 452 - Population Health Nursing Practice

Credits: 5

Examines holistic nursing care to diverse clients across the lifespan in the community and public health settings using an evidence-based and systems-based process to improve health. Population healthcare trends are included.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss basic knowledge of healthcare policy, finance, and regulatory environments that affect the health of diverse populations.
- Examine the impact of socio-cultural, demographic, geographic, and economic variables on population health.
- Utilize information technologies to assess available public health data and best available evidence to identify population health risks, health promotion, and risk reduction interventions.
- Describe the impact of the social determinants of health on diverse populations to identify benefits of interventions to minimize harm at the local, national, and global level.
- Describe the role of the nurse in delivering safe, holistic population-based care to clients at risk.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
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College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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BNURSE 454 - Nursing Leadership & Healthcare Policy

Credits: 5

Examines the healthcare policy making process, the influence of political and economic forces, and need for nursing activism in the development of policy affecting health and wellness. Also included is an exploration of organizational strategies, theories of

leadership and management, societal trends, and implications for quality nursing practice.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze the impact of social and health care policies on social disparities in health.
- Evaluate the process of problem identification through policy implementation, regulation, and evaluation.
- Analyze the organizational, financial, and socio-political aspects of clinical health services and public health systems.
- Evaluate the impact of the nurse related to public policy affecting healthcare and strategies of advocacy.
- Integrate theory and research in the formulation, implementation, and evaluation of nursing leadership / management actions to create a culture of evidence-based quality and safety into one's own practice and within healthcare systems.
- Analyze methods to enhance team collaboration.
- Evaluate the skills of the nurse leader related to the various roles of the position.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
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BNURSE 455 - Population Health Nursing Clinical

Credits: 2

Focuses on the professional role of the nurse in the community setting, utilizing clinical judgment and implementation of evidence-based nursing care for clients with health education and other healthcare-related needs while being responsive to cultural, ethical, and legal influences.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize clinical judgment in providing holistic, evidence-based, person-centered care for a client in the community, within legal and ethical standards of the profession.
- Demonstrate self and professional leadership when coordinating and managing safe, high-quality care in alignment with best practice and other regulatory standards for clients in the community.
- Employ communication and therapeutic relationship skills that meet the developmental, cognitive, psychosocial, cultural, and physiological needs of diverse clients in the community.
- Use informatics and other healthcare technologies to collaborate with other members of the healthcare team when managing efficient nursing care.
- Develop and implement teaching to a client in the community.
- Develop a plan to meet their own personal, professional, and educational goals related to the care of a client in the community.

- Reflect on clinical experiences related to QSEN competencies and progress on the program learning outcomes.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
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BNURSE 462 - Nursing Informatics & Telehealth

Credits: 3

Focuses on informatics and telehealth within clinical practice to improve communication and support the delivery of quality health care. Healthcare trends will be included.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate the role of informatics in improving patient care outcomes and creating a safe care environment for a diverse patient population.
- Analyze current and emerging technologies to optimize safety, cost effectiveness, and health outcomes.
- Discuss legal, regulatory, professional, and financial issues related to telehealth.
- Describe the application of telehealth to support high-quality, efficient, and person-centered care.
- Employ informatics to teach patients about health promotion, disease prevention, and risk reduction.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 464 - Nursing Care Coordination & Interprofessional Collaboration

Credits: 3

Examines the role of the RN in care coordination of person-centered care in collaboration with the client, families, caregivers, health care team, and third-party payors and services to provide timely, quality, cost-effective, holistic health care through a system-based approach.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe nursing care coordination and collaboration when providing holistic, person-centered care.
- Explain the role of the nurse in providing care coordination in a variety of settings.
- Discuss the competencies of a nursing care coordinator using a system-based approach.
- Describe effective collaborative approaches to align patient outcomes within the health care team and across health care settings.
- Describe the use of health information technology in care coordination.
- Identify ways to measure success with care coordination.
- Explain how reimbursement affects care coordination.
- Describe the different components of advance care planning.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

BNURSE 472 - Transition to Nursing Practice - NCLEX Prep

Credits: 4

Focuses on the professional identity of a BSN-prepared RN, professional development, roles and leadership, and measures to obtain and maintain licensure as an RN. Also includes preparation for taking the NCLEX-RN licensure exam.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$75.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the role of the nurse caring for clients within legal and ethical guidelines related to coordination of care, safety and infection control, health promotion and maintenance, psychosocial integrity, basic care and comfort, parenteral therapies, medications, and reduction of risk potential.
- Identify the role of the nurse when caring for clients within legal and ethical guidelines with a disorder in the cardiovascular-hematologic, respiratory, neurosensory, gastrointestinal-biliary, genitourinary-renal- reproductive, endocrine, musculoskeletal, medical emergencies, and integumentary systems.
- Write a professional resume and cover letter for seeking employment as a BSN prepared RN.
- Compare professional nursing organizations.
- Describe methods of maintaining continued competency as an RN.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

BNURSE 475 - Nursing Capstone Clinical

Credits: 4

Focuses on the integration of concepts from the arts, sciences, and previous nursing courses while caring for clients using evidence-based practice, clinical reasoning in the provision of person-centered, systems-based, high-quality health care in accordance with professional and regulatory standards. Students demonstrate accountability for personal and professional development while planning and implementing a quality improvement project.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Utilize clinical judgment in providing holistic, evidence-based, person/family-centered care of clients within legal and ethical standards of the profession.
- Demonstrate self and professional leadership when coordinating and managing safe, high-quality care in alignment with best practice and other regulatory standards for clients.
- Employ communication and therapeutic relationship skills that meet the developmental, cognitive, psychosocial, cultural, and physiological needs of diverse clients.
- Use informatics and other healthcare technologies to collaborate with other members of the healthcare team when managing efficient nursing care.
- Develop and implement a Capstone PICOT project.
- Develop a plan to meet their own personal, professional, and educational goals related to the care of a medical-surgical client.

- Reflect on clinical experiences related to QSEN competencies and progress on the program learning outcomes.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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BNURSE 476 - Reflective Practice/Portfolio 2

Credits: 1

Provides an opportunity for self-analysis of personal and professional development toward being a BSN prepared RN and complete all components on the Reflective Practice/Portfolio. Students create a curriculum vitae for inclusion in the Reflective Practice/Portfolio.

Enrollment Requirement: Enrollment in the LPN to BSN Program

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe personal and professional development as a BSN student with evidence of integrating knowledge of the arts and sciences, evidence-based practice, clinical reasoning, holistic person-centered care, use of research information, quality assurance/improvement, systems-based practice, use of other healthcare technologies, and leadership.
- Complete a professional portfolio which includes reflections from each clinical course related to QSEN and personal progress toward program learning outcomes, professional memberships, professional education, required health records needed for professional practice, professional licenses, personal philosophy of nursing, professional references, recommendations and recognitions, and professional job descriptions with performance evaluations.
- Create a curriculum vitae.

Program Outcomes

- Integrate knowledge from the arts and sciences to manage the care of clients across the life span using evidence-based practice and clinical reasoning to inform decision making.
- Provide holistic, person-centered, population health care to diverse populations including community and public health.
- Utilize research information to improve health of diverse clients across the life span.
- Minimize harm to clients through quality assurance and improvement.
- Use systems-based practice to coordinate and manage care to provide safe, quality, and equitable care.
- Integrate informatics and other healthcare technologies to inform decision making when managing and delivering safe, high-quality, and efficient health care in accordance with best practice and professional and regulatory standards.
- Demonstrate accountability for personal and professional development, including the professional identity of a bachelor of science prepared registered nurse, and lifelong learning.
- Apply leadership principles and quality improvement when intentionally collaborating with the interdisciplinary health care team to provide evidence-based, safe quality nursing care.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Nursing Assistant

NRS A 103 - Nurse Assistant Lab

Credits: 3

Students apply knowledge and develop the physical skills necessary to provide entry level nurse assistant care in the laboratory setting. Includes integrating communication and patient care skills, assisting with activities of daily living, practicing client rights and confidentiality, infection control and proper documentation in the health care setting. Students will engage in a variety of activities designed to enhance their ability to practice safe, culturally competent, patient-centered care while incorporating principles of restorative nursing. Previously NRS A 111.

Enrollment Requirement: Instructor permission.

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice safe, culturally competent, patient-centered care to clients.
- Incorporate principles and skills of restorative nursing in providing care.
- Identify behaviors that are respectful of client rights and promote client independence.
- Demonstrates the ability to work cooperatively as a member of a health care team, including the use of effective communication skills.
- Perform basic nursing skills accurately and safely while identifying and demonstrating procedures and techniques that prevent the spread of microorganisms.
- Demonstrate the ability to identify and use safety and emergency procedures.
- Practice within the legal/ethical scope of practice and responsibility of a nursing assistant.

Program Outcomes

- Define their role as a safe practitioner.
- Function on a team or within a group in a nurturing positive manner.
- Relate to people of all ages.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

NRS A 104 - Nurse Assistant Theory

Credits: 3

Students develop the concepts and knowledge necessary to provide safe, patient-centered, entry level nurse assistant care. This course emphasizes the integration of ethical considerations, effective communication strategies, legal obligations, and a commitment to patient advocacy within the scope of practice for nursing assistants. This course fosters the skills, knowledge, and attitudes essential for delivering high-quality and compassionate care in diverse healthcare settings. Students will emerge equipped with the theoretical understanding necessary to excel in clinical practice and contribute positively to the well-being of patients they serve. Previously NRS A 110.

Enrollment Requirement: Instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the Nursing Assistant's roles and responsibilities regarding ethics, communication, legal obligations, and abuse laws.
- Describe and demonstrate professional communication in spoken and written form, as it relates to teamwork, HIPAA laws, charting, and patient/resident interactions.
- Demonstrate the ability to utilize medical devices for obtaining vital signs, transferring patients, and providing patient care, all while maintaining a safe environment.
- Describe functions of the body systems at an appropriate level of understanding for the Nursing Assistant's scope of practice.
- Demonstrate safety and infection control practices that comply with standards of care for Nursing Assistants.
- Define/discuss basic restorative needs and demonstrate knowledge of meeting patients' physical, mental, and psychosocial needs.
- Define social determinants of health and vulnerable populations.

- Define OBRA regulations and the importance of advocacy for the populations we care for within the Nursing Assistant scope of practice.

Program Outcomes

- Define their role as a safe practitioner.
- Function on a team or within a group in a nurturing positive manner.
- Relate to people of all ages.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

NRS A 105 - Nursing Assistant Clinical

Credits: 2

This is a dynamic and immersive course that places students in a real-world healthcare setting, providing hands-on experiences to integrate theoretical knowledge into practical skills. This course is designed to equip students with the essential competencies required for clinical practice as nursing assistants. Through supervised clinical experiences, students will engage in the provision of safe, culturally competent, and patient-centered care, while also mastering the principles and skills of restorative nursing.

Enrollment Requirement: Instructor permission

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Provide safe, culturally competent, patient-centered care to clients.
- Incorporate principles and skills of restorative nursing while providing care.

- Demonstrate behaviors that are respectful of client rights and promote client independence.
- Demonstrate the ability to work cooperatively as a member of a health care team, including the use of effective communication skills.
- Practice basic nursing skills accurately and safely while utilizing procedures and techniques that prevent the spread of microorganisms.
- Demonstrate the ability to identify and use safety and emergency procedures.
- Practice within the legal/ethical scope of practice and responsibility of a nursing assistant.

Program Outcomes

- Demonstrate problem solving, critical thinking approaches utilized in patient care settings.
- Use ethical principles in practice, conduct, and relationships with patients, staff, and families.
- Identify with the values of the profession and incorporate them into practice.
- Promote a positive public image of nursing assistant as a positive role model.
- Utilize communication skills to establish and maintain a therapeutic relationship with patients, families, and staff.
- Execute competencies required for beginning practice as a nursing assistant.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Nutrition

NUTR& 101 - Nutrition

Credits: 5

Introduction to the role of nutrition in human health. Topics include human metabolism, utilization of nutrients, nutritive value of foods, factors that affect eating habits, food advertising, nutrition and disease, and establishing a healthy lifestyle. This course is

particularly suitable for health occupations students.

Enrollment Requirement: AP 100 or AP 103; or BIOL& 160, all with grades of 2.0 or higher.

Satisfies Requirement: Natural Science

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify nutritional requirements of a healthy diet.
- Identify the nutritional needs of humans through the stages of the life span.
- Describe the Macro & Micro nutrients and their functions.
- Explain the scientific process of digestion including organs and systems involved.
- State and discuss menu choices and how they impact various disease processes.
- Evaluate impact of advertising and marketing on the U.S. populations' health.
- Apply knowledge of nutritional science to health and wellness through analysis of individual menu.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Occupational Therapy Assistant

OTA 100 - Introduction to Occupational Therapy

Credits: 3

Introduces the practice of occupational therapy, its history and philosophical base. Covers occupational therapy practice framework such as domain and process, the occupational therapy process, and the promotion of health. Introduces ethics and professional behavior.

Enrollment Requirement: Enrollment in OTA Program.

Course Fee: \$13.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply and analyze the role of sociocultural, socioeconomic, and diversity, equity, and inclusion factors, as well as lifestyles in contemporary society to meet the needs of persons, groups, and populations. Course content must include, but is not limited to, introductory psychology, abnormal psychology, and introductory sociology or introductory anthropology.
- Demonstrate knowledge of the social determinants of health for persons, groups, and populations with or at risk for disabilities and chronic health conditions and distinguishes the epidemiological factors that impact the public health and welfare of populations.
- Apply knowledge of occupational therapy history, philosophical base, theory, and sociopolitical climate and their importance in meeting society's current and future occupational needs as well as how these factors influence and are influenced by practice.
- Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context, and client factors.
- Apply and analyze scientific evidence to explain the importance of: Balancing areas of occupation, the role of occupation in the promotion of health and wellness and the prevention of disease, illness, and dysfunction for persons, groups, and populations.
- Demonstrate knowledge of the current published American Occupational Therapy Association (AOTA) Occupational Therapy Code of Ethics and AOTA Standards of Practice and use them as a guide for ethical decision making in professional interactions, client interventions, employment settings, and when confronted with personal and organizational ethical conflicts.
- Explain the role and responsibility of the practitioner to advocate for occupational therapy including changes in service delivery policies, effecting changes in the system, recognizing opportunities in emerging practice areas, and advocating for opportunities to expand the occupational therapy assistant's role. Articulate the distinct knowledge and skills of occupational therapy practitioners to the community of interest.
- Define effective, competency-based legal and ethical supervision of occupational therapy assistants and non-occupational therapy personnel.
- Explain how scholarly activities and literature contribute to the development of the profession. Locate and demonstrate understanding of professional literature, including

the quality of the source of information, to make evidence-based practice decisions in collaboration with the occupational therapist.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

OTA 101 - Life Span Growth and Development in Humans

Credits: 3

Includes a study of the basic theories and processes of normal human growth and development. Emphasizes practical assessment and integration of all components- psychosocial, physical and cognitive-relative to the needs of recipients of occupational therapy.

Enrollment Requirement: Enrollment in OTA Program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of: The structure and function of the human body that must include the biological and physical sciences, neurosciences, kinesiology, and biomechanics. Human development throughout the lifespan (infants, children,

adolescents, adults, and older adults). Course content must include, but is not limited to, developmental psychology. Concepts of human behavior that must include the behavioral sciences, social sciences, and science of occupation.

- Apply and analyze the role of sociocultural, socioeconomic, and diversity, equity, and inclusion factors, as well as lifestyles in contemporary society to meet the needs of persons, groups, and populations. Course content must include, but is not limited to, introductory psychology, abnormal psychology, and introductory sociology or introductory anthropology.
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: To design activities and clinical training for persons, groups, and populations. To instruct and train the client, caregiver, family, significant others, and communities at the level of the audience.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 102 - OTA Applied Anatomy and Kinesiology

Credits: 3

Demonstrate knowledge and understanding of the function of the human body to include applied concepts related to anatomy, kinesiology, and biomechanics with an emphasis on material related to the practice of occupational therapy across diverse clientele and practice settings. Client factors, body functions and body structures related to movement are studied as they affect performance in areas of occupation.

Enrollment Requirement: Concurrent enrollment in OTA 103; and enrollment in OTA program.

Course Fee: \$13.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of: The structure and function of the human body that must include the biological and physical sciences, neurosciences, kinesiology, and biomechanics. Human development throughout the lifespan (infants, children, adolescents, adults, and older adults). Course content must include, but is not limited to, developmental psychology. Concepts of human behavior that must include the behavioral sciences, social sciences, and science of occupation.

Program Outcomes

Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 103 - Applied Anatomy and Kinesiology Lab

Credits: 2

Application of concepts learned in OTA 102. Demonstrate knowledge and understanding of the function of the human body to include applied concepts related to anatomy, kinesiology, and biomechanics with an emphasis on material related to the practice of occupational therapy across diverse clientele and practice settings. Client factors, body functions and body structures related to movement are studied as they affect performance in areas of occupation.

Enrollment Requirement: Concurrent enrollment in OTA 102; and enrollment in OTA program.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of: The structure and function of the human body that must include the biological and physical sciences, neurosciences, kinesiology, and biomechanics. Human development throughout the lifespan (infants, children, adolescents, adults, and older adults). Course content must include, but is not limited to, developmental psychology. Concepts of human behavior that must include the behavioral sciences, social sciences, and science of occupation.

Program Outcomes

Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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OTA 111 - Fundamentals of Occupational Therapy as Health Care Providers

Credits: 2

Students learn basic patient-therapist interaction and communication skills, introductory use of medical terminology, patient confidentiality and HIPAA rules, infection control and blood borne pathogens guidelines, and time management skills.

Enrollment Requirement: Concurrent enrollment in OTA 112; and enrollment in OTA program.

Course Fee: \$114.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Demonstrate sound judgment regarding safety of self and others and adhere to safety regulations throughout the occupational therapy process as appropriate to the setting and scope of practice. This must include the ability to assess and monitor vital signs (e.g., blood pressure, heart rate, respiratory status, and temperature) to ensure that the client is stable for intervention.

- Create and implement a plan to address individualized personal and professional responsibilities that are consistent with current accepted standards and long-term professional goals. The plan must address the following: Personal well-being, alignment with current accepted norms in occupational therapy practice, advocacy related to clients, occupational therapy, or the role of the occupational therapist or occupational therapy assistant, long-term career objectives and a strategy to evaluate, refine, and update the plan over time.
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Demonstrate the application of principles of instructional design and teaching and learning in content related to occupational therapy which includes at minimum: Development of learning objectives, design of material, development of learning assessment, delivery of professional presentation and self-reflection of process.
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Identify and communicate to the occupational therapist the need to refer to specialists both internal and external to the profession, including community agencies.
- Demonstrate effective communication with clients, care partners, communities, and members of the intra-professional and interprofessional teams in a responsive and responsible manner that supports a team approach to promote client outcomes.
- Demonstrate knowledge of: Care coordination, case management, and transition services in traditional and emerging practice environments, the consultative process with persons, groups, programs, organizations, or communities in collaboration with inter- and intra-professional colleagues.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupation therapy processes.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 112 - Professional Skills for Healthcare Providers Lab

Credits: 2

Students demonstrate ability to apply strategies for learned communication with interdisciplinary team and patients with the use of proper medical terminology, and safe practice of infection control and blood borne pathogens guidelines. Implement strategies for time management and application of study skills. Demonstrates implementation of OT practice framework and introduction into task analyses.

Enrollment Requirement: Concurrent enrollment in OTA 111; and enrollment in OTA program.

Course Fee: \$42.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Demonstrate sound judgment regarding safety of self and others and adhere to safety regulations throughout the occupational therapy process as appropriate to the setting and scope of practice. This must include the ability to assess and monitor vital signs (e.g., blood pressure, heart rate, respiratory status, and temperature) to ensure that the client is stable for intervention.
- Demonstrate knowledge of effective leadership styles. Identify personal and professional strengths and areas for growth to become an effective leader.
- Demonstrate the application of principles of instructional design and teaching and learning in content related to occupational therapy which includes at minimum: Development of learning objectives, design of material, development of learning assessment, delivery of professional presentation. and self-reflection of process.
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Demonstrate effective communication with clients, care partners, communities, and members of the intra-professional and interprofessional teams in a responsive and responsible manner that supports a team approach to promote client outcomes.
- Apply components of the OTPF and show novice understanding of each component.
- Apply novice understanding of the Occupational Profile.
- Demonstrate knowledge of medical terms and abbreviations related to OT profession.

- Demonstrate a novice level of knowledge in understanding the need to communicate and refer to other health care professional for consultation and intervention.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 120 - Developmental Disabilities 1

Credits: 3

An introduction to the principles of growth and development and the effects of common heritable diseases, genetic conditions, mental illness, disability, trauma and injury in children. Includes instruction in the OT process, assessments and interventions that are based on the frames of references that are used to meet the needs of children with diverse conditions. Students also learn the role of the COTA and how the profession continues to evolve based on changing societal influences and needs.

Enrollment Requirement: Concurrent enrollment in OTA 121; and enrollment in OTA program.

Course Fee: \$30.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of: The structure and function of the human body that must include the biological and physical sciences, neurosciences, kinesiology, and biomechanics. Human development throughout the lifespan (infants, children, adolescents, adults, and older adults). Course content must include, but is not limited to, developmental psychology. Concepts of human behavior that must include the behavioral sciences, social sciences, and science of occupation.
- Apply knowledge of occupational therapy history, philosophical base, theory, and sociopolitical climate and their importance in meeting society's current and future occupational needs as well as how these factors influence and are influenced by practice.
- Understand how occupational performance is affected by the effects of disease processes including heritable diseases, genetic conditions, mental illness, disability, trauma, and injury.
- Contribute to the evaluation process of client(s)' occupational performance by completing an occupational profile and administering standardized and non-standardized screenings and assessment tools as delegated by the occupational therapist. Explain the importance of using psychometrically sound assessment tools when considering client needs, and cultural and contextual factors.
- Demonstrate interventions that address dysphagia and disorders of feeding and eating, and train others in precautions and techniques while considering client and contextual factors.
- Identify the role and responsibilities of the OT and COTA in different pediatric practice settings.
- Demonstrate knowledge of the principle of typical development in children and understand how developmental milestones influence development throughout the human life span.
- Describe general symptoms and effects of common developmental disabilities, orthopedic disabilities, movement disorders, genetic disorders, autism spectrum disorders, sensory processing disorders, intellectual disabilities, learning disabilities, and other physical and mental disorders.
- Demonstrate knowledge of oral motor development, precautions, and techniques to provide interventions which address functional limitations surrounding feeding and eating performance in children.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 121 - Developmental Disabilities 1 Lab

Credits: 2

Lab allows for practical experience in administering screening tools and standardized assessments, and the development of interventions to meet the needs of children with common heritable diseases, genetic conditions, mental illness, disability, trauma, and injury. Emphasis is on the application of knowledge and experiential learning of approaches and techniques that are used with children.

Enrollment Requirement: Concurrent enrollment in OTA 120; and enrollment in OTA program.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context, and client factors.
- Explain to the community of interest (e.g., consumers, potential employers, colleagues, third-party payers, regulatory boards, policymakers, and the public) the distinct nature of occupation and the evidence that occupation supports performance, participation, health, wellness, and well-being.
- Demonstrate professional reasoning to inform occupation-based interventions that focus on: Client factors, performance patterns, and performance skills. Creation, promotion, establishment, restoration, maintenance, modification, and prevention.
- Contribute to the evaluation process of client(s)' occupational performance by completing an occupational profile and administering standardized and non-standardized screenings and assessment tools as delegated by the occupational therapist. Explain

the importance of using psychometrically sound assessment tools when considering client needs, and cultural and contextual factors.

- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes.
- Provide direct interventions and procedures to persons, groups, or populations to enhance safety, health and wellness, chronic condition management, and performance in occupations. This must include the ability to collaborate with the occupational therapist related to interventions and selecting and delivering occupations and activities: Occupations as a therapeutic intervention Interventions to support occupations including therapeutic exercise Interventions to support well-being (e.g., complementary health and integrative health) Interventions to support self-advocacy related to the person, groups, or populations and Virtual interventions
- Design and implement occupation-based interventions using the strategies of establish, restore, and modify approaches to address deficits in performance skills.
- Demonstrate interventions that address dysphagia and disorders of feeding and eating, and train others in precautions and techniques while considering client and contextual factors.
- Demonstrate knowledge of oral motor development, precautions, and techniques to provide interventions which address functional limitations surrounding feeding and eating performance in children

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Assist in the management of occupational therapy services.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 122 - Physical Disabilities 1

Credits: 3

Study of the effects of heritable diseases, genetic conditions, disability, trauma and injury to the physical and mental health and occupational performance of the individual. Study the structure and function of the human body to include the biological and physical foundation of specific clinical conditions. Includes basic assessment and treatment approaches utilized in occupational therapy intervention of the physically disabled.

Enrollment Requirement: OTA 102 and OTA 103 with grades of 2.0 or higher; concurrent enrollment in OTA 123; and enrollment in OTA program.

Course Fee: \$14.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of: The structure and function of the human body that must include the biological and physical sciences, neurosciences, kinesiology, and biomechanics. Human development throughout the lifespan (infants, children, adolescents, adults, and older adults). Course content must include, but is not limited to, developmental psychology. Concepts of human behavior that must include the behavioral sciences, social sciences, and science of occupation.
- Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context, and client factors.
- Apply and analyze scientific evidence to explain the importance of: Balancing areas of occupation, The role of occupation in the promotion of health and wellness. The prevention of disease, illness, and dysfunction for persons, groups, and populations.
- Understand how occupational performance is affected by the effects of disease processes including heritable diseases, genetic conditions, mental illness, disability, trauma, and injury.
- Demonstrate professional reasoning to inform occupation-based interventions that focus on: Client factors, performance patterns, and performance skills. Creation, promotion, establishment, restoration, maintenance, modification, and prevention.
- Design and implement occupation-based interventions using the strategies of establish, restore, and modify approaches to address deficits in performance skills.
- Provide training in techniques to enhance functional mobility, including physical transfers, wheelchair management, and mobility devices.
- Describe the collaboration process with the occupational therapist to identify appropriate features of assistive technologies and durable medical equipment to support the client's participation. Demonstrate strategies with assistive technologies and devices (e.g., aids for communication, mobility, sensory loss, computer access, seating, and positioning systems) used to enhance occupational performance.

- Identify and analyze the influence of contextual factors and current federal, state, and local policy issues and structures on the delivery of occupational therapy services for persons, groups, or populations and social systems as they relate to the practice of occupational therapy.
- Explain how scholarly activities and literature contribute to the development of the profession. Locate and demonstrate understanding of professional literature, including the quality of the source of information, to make evidence-based practice decisions in collaboration with the occupational therapist.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Assist in the management of occupational therapy services.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 123 - Physical Disabilities 1 Lab

Credits: 2

Basic assessment and treatment techniques as it relates to adult physical disabilities. Lab allows for practical experience in patient assessment, transfers and daily living skills.

Enrollment Requirement: Concurrent enrollment in OTA 122; or instructor consent.

Course Fee: \$67.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Contribute to the evaluation process of client(s)' occupational performance by completing an occupational profile and administering standardized and non-standardized screenings and assessment tools as delegated by the occupational therapist. Explain the importance of using psychometrically sound assessment tools when considering client needs, and cultural and contextual factors.
- Provide training in techniques to enhance functional mobility, including physical transfers, wheelchair management, and mobility devices.
- Describe the collaboration process with the occupational therapist to identify appropriate features of assistive technologies and durable medical equipment to support the client's participation. Demonstrate strategies with assistive technologies and devices (e.g., aids for communication, mobility, sensory loss, computer access, seating, and positioning systems) used to enhance occupational performance.
- Understand how quantitative and qualitative research studies inform occupational therapy practice.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 124 - Fundamentals of Gerontology

Credits: 3

Study of physical, emotional and social processes involved in normal aging, plus a brief study of the pathology associated with the aging process. Emphasizes techniques used in maintaining independence, adjusting to the special problems of aging and the utilization of community resources.

Enrollment Requirement: Enrollment in OTA program.

Course Fee: \$8.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Provide training in techniques to enhance community mobility, and address alternative means of transportation in community settings, including driver rehabilitation and other community access options.
- Demonstrate interventions that address dysphagia and disorders of feeding and eating, and train others in precautions and techniques while considering client and contextual factors.
- Demonstrate effective communication with clients, care partners, communities, and members of the intra-professional and interprofessional teams in a responsive and responsible manner that supports a team approach to promote client outcomes.
- Demonstrate awareness of the principles of intra-professional and interprofessional team dynamics to perform effectively in different team roles to plan, deliver, and evaluate patient- and population-centered care as well as population health programs and policies that are safe, timely, efficient, effective, and equitable.
- Demonstrate knowledge of: Care coordination, case management, and transition services in traditional and emerging practice environments. The consultative process with persons, groups, programs, organizations, or communities in collaboration with inter- and intra-professional colleagues.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 126 - Clinical Seminar 1

Credits: 1

Teaches students the basics of client-therapist interaction, documentation, clinical issues, and therapeutic techniques. Includes weekly discussion of concurrent clinical experiences.

Enrollment Requirement: Concurrent enrollment in OTA 127 and OTA 128; and enrollment in OTA program.

Course Fee: \$48.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Implement a discharge plan from occupational therapy services that was developed by the occupational therapist in collaboration with the client and members of the interprofessional teams by reviewing the needs of the client, caregiver, family, and significant others; available resources; and discharge environment.
- Demonstrate knowledge of various reimbursement systems and funding mechanisms (e.g., federal, state, local, third party, private payer), appeals mechanisms, treatment/diagnosis codes (e.g., CPT®, ICD, DSM® codes), and durable medical equipment coding (e.g., HCPCS) and documentation requirements (e.g., equipment justifications) that affect consumers and the practice of occupational therapy. Documentation must effectively communicate the need and rationale for occupational therapy services.
- Articulate the importance of and demonstrate ability to gather data for the purpose of screening and evaluation using methods including but not limited to specified screening tools, using skilled observation and consulting with the patient's health care team (other professionals, family, and significant others).
- Articulate the importance of and demonstrate the ability to gather and share data for the purpose of evaluating client (s) occupational performance in activities of ADLs, IADLs, education, work, play, rest, sleep and social participation as it applies to the Occupational Therapy Performance Framework (OTPF)
- Articulate a novice level ability to implement treatment activity with patients/clients as assigned by FW CI.
- Identify and demonstrate effective work habits in the clinical setting.
- Understand the importance of self-knowledge in relation to the quality of one's life and the choices one makes.
- To describe the role families, play in the formation of identity and self-esteem.
- Describe various factors that should be considered in making sound ethical decisions.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 127 - Clinical Seminar Lab

Credits: 1

Students demonstrate skills at a novice level to gather necessary information to implement evaluation, treatment, and occupational profile of the client, document occupational therapy service, implement treatment based on the OTPF. Students also demonstrate professional behaviors required to be successful in the fieldwork.

Enrollment Requirement: Concurrent enrollment in OTA 126 and OTA 128; and enrollment in OTA program.

Course Fee: \$229.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Create and implement a plan to address individualized personal and professional responsibilities that are consistent with current accepted standards and long-term professional goals. The plan must address the following: Personal well-being. Alignment with current accepted norms in occupational therapy practice. Advocacy related to clients, occupational therapy, or the role of the occupational therapist or occupational therapy assistant. Long-term career objectives. A strategy to evaluate, refine, and update the plan over time.
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Implement a discharge plan from occupational therapy services that was developed by the occupational therapist in collaboration with the client and members of the

interprofessional teams by reviewing the needs of the client, caregiver, family, and significant others; available resources; and discharge environment.

- Demonstrates the knowledge of the use of technology in practice which must include Electronic documentation systems, Virtual environments, Telehealth Tech.
- Demonstrate knowledge of various reimbursement systems and funding mechanisms (e.g., federal, state, local, third party, private payer), appeals mechanisms, treatment/diagnosis codes (e.g., CPT®, ICD, DSM® codes), and durable medical equipment coding (e.g., HCPCS) and documentation requirements (e.g., equipment justifications) that affect consumers and the practice of occupational therapy.
- Demonstrate effective work habits in the clinical setting.
- Demonstrate a novice level ability to document therapy service to ensure accountability of service provision and to meet standards for reimbursement agencies, and FW site facility while accurately communicating the rationale and effectiveness of therapy services.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 128 - Application of Occupational Therapy Assistant 1

Credits: 1

Students participate in supervised clinical experience with clients in a community practice setting. Includes directed observation, planning, and implementation of client treatments as assigned by clinical supervisor, and application of theory and treatment techniques. This is a pass/no credit course.

Enrollment Requirement: Concurrent enrollment in OTA 126 and OTA 127; and enrollment in OTA program.

Course Fee: \$31.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply information learned in the academic portion in to fieldwork experiences. See specific form for detailed criteria.
- Demonstrate skills of collaboration with occupational therapists and other professionals in planning and preparation for treatment activity with patients/clients.
- Demonstrate a beginners understanding of implementing treatment activity with patient/clients.
- Demonstrate ability to link treatment activity to theory and disease process.
- Record observations and understand the application of the Occupational Therapy Practice Framework to patient treatment and recording of findings.
- Demonstrate ability to communicate effectively with Clinical Instructor, patients and other professionals Apply treatment theories and techniques used in the assigned clinics.
- Articulate the importance in using observation, histories, and interviews of patient as assigned to assist in the screening and assessment of patients.
- Demonstrate ability to communicating effectively with patient/clients and staff.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 130 - Professional Advocacy Experience

Credits: 1

Acquaints students with therapy practitioner's responsibilities in professional activities

and for promotion of occupational therapy to other professionals, consumers, third-party payers and the public.

Enrollment Requirement: Enrollment in OTA Program.

Course Fee: \$145.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain to the community of interest (e.g., consumers, potential employers, colleagues, third-party payers, regulatory boards, policymakers, and the public) the distinct nature of occupation and the evidence that occupation supports performance, participation, health, wellness, and well-being.
- Identify and communicate to the occupational therapist the need to design community programs to support occupational performance for persons, groups, or populations.
- Identify and analyze the influence of contextual factors and current federal, state, and local policy issues and structures on the delivery of occupational therapy services for persons, groups, or populations and social systems as they relate to the practice of occupational therapy.
- Explain the role and responsibility of the practitioner to advocate for occupational therapy including changes in service delivery policies, effecting changes in the system, recognizing opportunities in emerging practice areas, and advocating for opportunities to expand the occupational therapy assistant's role. Articulate the distinct knowledge and skills of occupational therapy practitioners to the community of interest.
- Identify the need and demonstrate the ability to participate in the development, support, promotion, and management of service delivery options.

Program Outcomes

- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 131 - Physical Disabilities 2

Credits: 3

Understand the effects of heritable diseases, genetic conditions, disability, trauma, and injury to the physical and mental health and occupational performance of the individual. Demonstrate knowledge and understanding of the structure and function of the human body to include the biological and physical sciences of specific clinical conditions. Describe and demonstrate basic assessment and treatment approaches utilized in occupational therapy intervention of the physically disabled through practical experiences in a lab setting.

Enrollment Requirement: OTA 102 and OTA 103; OTA 122 and OTA 123 all with grades of 2.0 or higher; concurrent enrollment in OTA 132; and enrollment in OTA program.

Course Fee: \$40.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand how occupational performance is affected by the effects of disease processes including heritable diseases, genetic conditions, mental illness, disability, trauma, and injury.
- Monitor and reassess, in collaboration with the client and care partner, the effect of occupational therapy intervention and the need for continued or modified intervention and communicate the identified needs to the occupational therapist.
- Assess, grade, and modify the way persons, groups, and populations perform occupations and activities by adapting processes, modifying environments, implementing assistive technology or adaptive equipment, and applying ergonomic principles to reflect the changing needs of the client, sociocultural context, and technological advances.
- Design and implement occupation-based interventions using the strategies of establish, restore, and modify approaches to address deficits in performance skills.
- Explain the need for orthotics, and design, fabricate, apply, fit, and train in orthoses and devices used to enhance occupational performance and participation. Train in the safe and effective use of prosthetic devices used to enhance occupational performance.
- Identify and communicate to the occupational therapist the need to refer to specialists both internal and external to the profession, including community agencies.
- Demonstrates the knowledge of the use of technology in practice which must include Electronic documentation systems, Virtual environments, Telehealth Tech.

- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: To design activities and clinical training for persons, groups, and populations, to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 132 - Physical Disabilities 2 Lab

Credits: 2

Basic assessment and treatment techniques as it relates to adult physical disabilities. Lab allows for practical experience in patient assessment, transfers, and daily living skills.

Enrollment Requirement: OTA 102 and OTA 103; OTA 122 and OTA 123 with grades of 2.0 or higher; concurrent enrollment in OTA 131; and enrollment in OTA program.

Course Fee: \$46.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate sound judgment regarding safety of self and others and adhere to safety regulations throughout the occupational therapy process as appropriate to the setting and scope of practice. This must include the ability to assess and monitor vital signs (e.g., blood pressure, heart rate, respiratory status, and temperature) to ensure that the client is stable for intervention.
- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes.
- Understand how quantitative and qualitative research studies inform occupational therapy practice.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Read and use professional literature in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

OTA 133 - Psychosocial Dysfunction

Credits: 3

Students learn the techniques used to meet mental health needs within the occupational therapy setting. Includes the application of psychosocial frames of reference, clinical conditions, and the application of occupational therapy to these conditions.

Enrollment Requirement: Concurrent enrollment in OTA 134; and enrollment in OTA program.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the social determinants of health for persons, groups, and populations with or at risk for disabilities and chronic health conditions and distinguishes the epidemiological factors that impact the public health and welfare of populations.
- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Apply knowledge of occupational therapy history, philosophical base, theory, and sociopolitical climate and their importance in meeting society's current and future occupational needs as well as how these factors influence and are influenced by practice.
- Understand how occupational performance is affected by the effects of disease processes including heritable diseases, genetic conditions, mental illness, disability, trauma, and injury.
- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Demonstrate sound judgment regarding safety of self and others and adhere to safety regulations throughout the occupational therapy process as appropriate to the setting and scope of practice. This must include the ability to assess and monitor vital signs (e.g., blood pressure, heart rate, respiratory status, and temperature) to ensure that the client is stable for intervention.
- Contribute to the evaluation process of client (s) occupational performance by completing an occupational profile and administering a standardized and non-standardized screening and assessment tools as delegated by the occupational therapist. Explain the importance of using psychometrically sound assessment tools when considering client needs and cultural and contextual factors.
- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes.
- Provide direct interventions and procedures to persons, groups, or populations to enhance safety, health and wellness, chronic condition management, and performance in occupations. This must include the ability to collaborate with the occupational therapist related to interventions and selecting and delivering occupations and activities: Occupations as a therapeutic intervention, Interventions to support occupations including therapeutic exercise, Interventions to support well-being (e.g., complementary health and integrative health), Interventions to support self-advocacy related to the person, groups, or populations, and virtual interventions.
- Design and implement occupation-based interventions using the strategies of establish, restore, and modify approaches to address deficits in performance skills.

- Understand how quantitative and qualitative research studies inform occupational therapy practice.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 134 - Psychosocial Dysfunction Lab & Fieldwork Experience

Credits: 1

Students participate in supervised clinical experience with clients in a community practice setting. Includes directed observations, planning and implementation of client treatments as assigned by clinical supervisor, and application of theory and treatment techniques in a group setting with clients with psychological and social factors influencing engagement in occupation.

Enrollment Requirement: Concurrent enrollment in OTA 133; and enrollment in OTA program.

Course Fee: \$32.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the social determinants of health for persons, groups, and populations with or at risk for disabilities and chronic health conditions and distinguishes the epidemiological factors that impact the public health and welfare of populations.
- Apply and analyze the role of sociocultural, socioeconomic, and diversity, equity, and inclusion factors, as well as lifestyles in contemporary society to meet the needs of persons, groups, and populations. Course content must include, but is not limited to, introductory psychology, abnormal psychology, and introductory sociology or introductory anthropology.

- Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context, and client factors.
- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Contribute to the evaluation process of client (s) occupational performance by completing an occupational profile and administering a standardized and non-standardized screening and assessment tools as delegated by the occupational therapist. Explain the importance of using psychometrically sound assessment tools when considering client needs and cultural and contextual factors.
- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes.
- Design and implement occupation-based interventions using the strategies of establish, restore, and modify approaches to address deficits in performance skills..
- Understand how quantitative and qualitative research studies inform occupational therapy practice.
- Ensure at least one fieldwork experience (either Level I or Level II) has a primary focus on the role of occupational therapy practitioners addressing mental health, behavioral health, or psychosocial aspects of client performance to support their engagement in occupations.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 194 - Special Topics 1: Occupational Therapy Assistant

Credits: 1-3

Enable students to pursue special areas of interest, by participating in specific lecture content, in the Occupational Therapy Assistant (OTA) program as directed by the program director and faculty. Students will participate and be evaluated in program lectures in order to meet the required ACOTE standard.

Enrollment Requirement: Students must be enrolled in the OTA program.

Course Outcomes:

Course outcomes are to be determined by the Program Director and Course Instructor.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.
- Discuss the importance of ethics, values, and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 195 - Special Topic 2: Occupational Therapy Assistant

Credits: 1-3

Enable students to pursue special areas of interest by participating in specific lab activities in the Occupational Therapy Assistant (OTA) program as directed by the program director and faculty. Students will participate and be evaluated in program lab topics in order to meet the required ACOTE standard.

Enrollment Requirement: Students must be enrolled in the OTA program or transferring from another program.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to be determine by the Program Director and Course Instructor.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.
- Discuss the importance of ethics, values, and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 196 - Special Topic 3: Occupational Therapy Assistant

Credits: 1-11

Enable students to pursue special areas of interest, by participating in specific fieldwork experiences in the Occupational Therapy Assistant (OTA) program as directed by the program director and faculty. Students will participate in fieldwork in order to meet the

required ACOTE standard.

Enrollment Requirement: Students must be enrolled in the OTA program or transferring from another program.

Course Outcomes:

Students who successfully complete this class will be able to:

Course outcomes to determine by Program Director and Course Instructor

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.
- Discuss the importance of ethics, values, and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 198 - Independent Study - Occupational Therapy Assistant

Credits: 1

For students needing remediation for successful completion of fieldwork experiences, or who wish to explore specific areas of occupational therapy in-depth. Students participate in learning activities needed to re-mediate deficient areas. This is a pass/no credit

course.

Enrollment Requirement: Enrollment in OTA Program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 200 - Developmental Disabilities 2

Credits: 1

An advanced level course that expands students' understanding of conditions that affect children. Focuses on introduction and discussion of task analysis and occupational-based approaches.

Enrollment Requirement: Enrollment in OTA program.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand how occupational performance is affected by the effects of disease processes including heritable diseases, genetic conditions, mental illness, disability, trauma, and injury.
- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes.
- Monitor and reassess, in collaboration with the client and care partner, the effect of occupational therapy intervention and the need for continued or modified intervention and communicate the identified needs to the occupational therapist.
- Identify and communicate to the occupational therapist the need to refer to specialists both internal and external to the profession, including community agencies.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 201 - Developmental Disabilities 2 Lab

Credits: 2

Students apply and demonstrate novice competency of material learned in OTA 200. Focuses on application and hands on experience with task analysis, assistive technology and devices and occupational based approaches. Students demonstrate interventions and collaborate with clients, educators and other health care professionals using a service learning model.

Enrollment Requirement: OTA 120 and OTA 121 with grades of 2.0 or higher; and concurrent enrollment in OTA 200; and enrollment in OTA program.

Course Fee: \$46.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Demonstrate sound judgment regarding safety of self and others and adhere to safety regulations throughout the occupational therapy process as appropriate to the setting and scope of practice. This must include the ability to assess and monitor vital signs (e.g., blood pressure, heart rate, respiratory status, and temperature) to ensure that the client is stable for intervention.
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes.
- Monitor and reassess, in collaboration with the client and care partner, the effect of occupational therapy intervention and the need for continued or modified intervention and communicate the identified needs to the occupational therapist.
- Design and implement occupation-based interventions using the strategies of establish, restore, and modify approaches to address deficits in performance skills.
- Demonstrate awareness of the principles of intra-professional and interprofessional team dynamics to perform effectively in different team roles to plan, deliver, and evaluate patient- and population-centered care as well as population health programs and policies that are safe, timely, efficient, effective, and equitable.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 202 - Ethics, Society, and Professional Practice

Credits: 3

Provides an overview and understanding of professional ethics and responsibilities including knowledge of ethical principles, professional development, healthcare reimbursement systems and healthcare laws. Also includes critical analysis of social issues including socioeconomics, social injustices, cultural awareness and diversity factors related to the practice of occupational therapy. Students learn through class lectures and discussions as well as practical assignments that promote critical thinking.

Enrollment Requirement: Enrollment in OTA Program.

Course Fee: \$8.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply and analyze the role of sociocultural, socioeconomic, and diversity, equity, and inclusion factors, as well as lifestyles in contemporary society to meet the needs of persons, groups, and populations. Course content must include, but is not limited to, introductory psychology, abnormal psychology, and introductory sociology or introductory anthropology.
- Demonstrate knowledge of the social determinants of health for persons, groups, and populations with or at risk for disabilities and chronic health conditions and distinguishes the epidemiological factors that impact the public health and welfare of populations.
- Apply knowledge of occupational therapy history, philosophical base, theory, and sociopolitical climate and their importance in meeting society's current and future occupational needs as well as how these factors influence and are influenced by practice.
- Demonstrate knowledge of the current published American Occupational Therapy Association (AOTA) Occupational Therapy Code of Ethics and AOTA Standards of Practice and use them as a guide for ethical decision making in professional interactions, client interventions, employment settings, and when confronted with personal and organizational ethical conflicts.

- Identify and analyze the influence of contextual factors and current federal, state, and local policy issues and structures on the delivery of occupational therapy services for persons, groups, or populations and social systems as they relate to the practice of occupational therapy.
- Demonstrate knowledge of various reimbursement systems and funding mechanisms (e.g., federal, state, local, third party, private payer), appeals mechanisms, treatment/diagnosis codes (e.g., CPT®, ICD, DSM® codes), and durable medical equipment coding (e.g., HCPCS) and documentation requirements (e.g., equipment justifications) that affect consumers and the practice of occupational therapy. Documentation must effectively communicate the need and rationale for occupational therapy services.
- Demonstrate knowledge of applicable national requirements for credentialing and requirements for licensure, certification, or registration consistent with federal and state laws.
- Define effective, competency-based legal and ethical supervision of occupational therapy assistants and non-occupational therapy personnel.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Discuss the importance of ethics, values and responsibilities in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 210 - Therapeutic Practices in Occupational Therapy

Credits: 3

An advanced level course that incorporates the application of theories, models of practice, and frames of reference in the analysis, selection and use of activities in a therapeutic environment while addressing the needs of diverse patient populations. Emphasis is placed on the application of the OT Practice Framework in the development of intervention targeting basic and higher-level living skills. Includes instruction in the responsibilities a COTA has in the areas of documentation, record keeping, service operations, research, and safety and infection control.

Enrollment Requirement: OTA 122, OTA 123, OTA 131, OTA 132 and OTA 133 all with grades of 2.0 or higher; and concurrent enrollment in OTA 211.

Course Fee: \$31.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context, and client factors.
- Apply and analyze scientific evidence to explain the importance of: Balancing areas of occupation, the role of occupation in the promotion of health and wellness, the prevention of disease, illness, and dysfunction for persons, groups, and populations.
- Describe the collaboration process with the occupational therapist to identify appropriate features of assistive technologies and durable medical equipment to support the client's participation.
- Implement a discharge plan from occupational therapy services that was developed by the occupational therapist in collaboration with the client and members of the interprofessional teams by reviewing the needs of the client, caregiver, family, and significant others; available resources; and discharge environment.
- Provide training in techniques to enhance community mobility, and address alternative means of transportation in community settings, including driver rehabilitation and other community access options.
- Provide training in techniques to enhance functional mobility, including physical transfers, wheelchair management, and mobility devices.
- Demonstrate knowledge of the use of technology in practice, which must include Electronic documentation systems, Virtual environments, Telehealth technology
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: To design activities and clinical training for persons, groups, and populations and to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience
- Demonstrate knowledge of various reimbursement systems and funding mechanisms (e.g., federal, state, local, third party, private payer), appeals mechanisms, treatment/diagnosis codes (e.g., CPT®, ICD, DSM® codes), and durable medical equipment coding (e.g., HCPCS) and documentation requirements (e.g., equipment

justifications) that affect consumers and the practice of occupational therapy. Documentation must effectively communicate the need and rationale for occupational therapy services.

- Explain how scholarly activities and literature contribute to the development of the profession. Locate and demonstrate understanding of professional literature, including the quality of the source of information, to make evidence-based practice decisions in collaboration with the occupational therapist.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.
- Assist in the management of occupational therapy services.
- Read and use professional literature in the field of occupational therapy.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 211 - Therapeutic Practices Clinical Skills Training

Credits: 2

An advanced level course that emphasizes the application of therapeutic practices in a clinical context. Includes training and feedback in areas related to client care including chart review, intervention planning, intervention implementation, documentation and discharge planning.

Enrollment Requirement: OTA 122, OTA 123, OTA 131, OTA 132, and OTA 133 all

with grades of 2.0 or higher; concurrent enrollment in OTA 210; and enrollment in OTA program.

Course Fee: \$33.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of and apply the interaction of occupation and activity, including areas of occupation, performance skills, performance patterns, context, and client factors.
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Demonstrate professional reasoning to inform occupation-based interventions that focus on: Client factors, performance patterns, and performance skills., Creation, promotion, establishment, restoration, maintenance, modification, and prevention.
- Contribute to the evaluation process of client(s)' occupational performance by completing an occupational profile and administering standardized and non-standardized screenings and assessment tools as delegated by the occupational therapist. Explain the importance of using psychometrically sound assessment tools when considering client needs, and cultural and contextual factors. Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence.
- Collaborating in the development of occupation-based intervention plans and strategies that must be client centered, culturally relevant, reflective of current occupational therapy practice, and based on available evidence. Under the direction of an occupational therapist, report on data for evaluation of client outcomes
- Provide direct interventions and procedures to persons, groups, or populations to enhance safety, health and wellness, chronic condition management, and performance in occupations. This must include the ability to collaborate with the occupational therapist related to interventions and selecting and delivering occupations and activities: Occupations as a therapeutic intervention, Interventions to support occupations including therapeutic exercise, Interventions to support well-being (e.g., complementary health and integrative health), Interventions to support self-advocacy related to the person, groups, or populations, Virtual interventions.
- Demonstrate knowledge of the use of technology in practice, which must include: Electronic documentation systems Virtual environments and Telehealth technology.
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: To design activities and clinical training for persons, groups, and populations and to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience. Under

the direction of an occupational therapist, report on data for evaluation of client outcomes.

- Demonstrate effective communication with clients, care partners, communities, and members of the intra-professional and interprofessional teams in a responsive and responsible manner that supports a team approach to promote client outcomes.
- Demonstrate knowledge of various reimbursement systems and funding mechanisms (e.g., federal, state, local, third party, private payer), appeals mechanisms, treatment/diagnosis codes (e.g., CPT®, ICD, DSM® codes), and durable medical equipment coding (e.g., HCPCS) and documentation requirements (e.g., equipment justifications) that affect consumers and the practice of occupational therapy. Documentation must effectively communicate the need and rationale for occupational therapy services.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 212 - Therapeutic Group Leadership

Credits: 1

Students study group dynamics as related to occupational therapy. Students learn to plan and implement activity groups appropriate to patients or clients of all ages. Emphasizes group leadership skills.

Enrollment Requirement: Concurrent enrollment in OTA 213; and enrollment in OTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: to design activities and clinical training for persons, groups, and populations. to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience.
- Demonstrate awareness of the principles of intra-professional and interprofessional team dynamics to perform effectively in different team roles to plan, deliver, and evaluate patient- and population-centered care as well as population health programs and policies that are safe, timely, efficient, effective, and equitable.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 213 - Therapeutic Group Leadership Lab

Credits: 1

Students implement activities, appropriate to clients of all ages, incorporating components of a group, characteristics of different type of groups, and developmental levels of a group.

Enrollment Requirement: Concurrent enrollment in OTA 212; and enrollment in OTA program.

Course Fee: \$44.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Demonstrate professional reasoning to inform occupation-based interventions that focus on: Client factors, performance patterns, and performance skills. Creation, promotion, establishment, restoration, maintenance, modification, and prevention Demonstrate professional reasoning to inform occupation-based interventions that focus on: Client factors, performance patterns, and performance skills.
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: to design activities and clinical training for persons, groups, and populations, to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience. Creation, promotion, establishment, restoration, maintenance, modification, and prevention.
- Demonstrate effective communication with clients, care partners, communities, and members of the intra-professional and interprofessional teams in a responsive and responsible manner that supports a team approach to promote client outcomes
- Demonstrate awareness of the principles of intra-professional and interprofessional team dynamics to perform effectively in different team roles to plan, deliver, and evaluate patient- and population-centered care as well as population health programs and policies that are safe, timely, efficient, effective, and equitable.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 220 - Therapeutic Activities 2

Credits: 1

Students learn to plan and implement socioculturally appropriate therapeutic leisure and social activities for patients/clients in a variety of community settings. Emphasizes gradation and adaptation of leisure and social activities appropriate for a variety of patient/client diagnoses.

Enrollment Requirement: Enrollment in OTA Program.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Apply and analyze scientific evidence to explain the importance of: Balancing areas of occupation, the role of occupation in the promotion of health and wellness, the prevention of disease, illness, and dysfunction for persons, groups, and population.
- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: to design activities and clinical training for persons, groups, and populations, to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience.
- Demonstrate awareness of the principles of intra-professional and interprofessional team dynamics to perform effectively in different team roles to plan, deliver, and evaluate patient- and population-centered care as well as population health programs and policies that are safe, timely, efficient, effective, and equitable.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 221 - Therapeutic Group Activities 2 Lab

Credits: 2

Students implement and lead activities for clients of all ages with consideration of characteristics of different types and developmental levels of a group.

Enrollment Requirement: Concurrent enrollment in OTA 220 and enrollment in OTA program.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain to the community of interest (e.g., consumers, potential employers, colleagues, third-party payers, regulatory boards, policymakers, and the public) the distinct nature of occupation and the evidence that occupation supports performance, participation, health, wellness, and well-being. Apply and analyze scientific evidence to explain the importance of: Balancing areas of occupation, the role of occupation in the promotion of health and wellness and the prevention of disease, illness, and dysfunction for persons, groups, and populations.
- Apply and analyze scientific evidence to explain the importance of: Balancing areas of occupation. The role of occupation in the promotion of health and wellness. The prevention of disease, illness, and dysfunction for persons, groups, and populations
- Demonstrate therapeutic use of self, including one's personality, insights, perceptions, and judgments, as part of the therapeutic process in both individual and group interaction.
- Demonstrate professional reasoning to inform occupation-based interventions that focus on: Client factors, performance patterns, and performance skills. Creation, promotion, establishment, restoration, maintenance, modification, and prevention.
- Provide direct interventions and procedures to persons, groups, or populations to enhance safety, health and wellness, chronic condition management, and performance in occupations. This must include the ability to collaborate with the occupational therapist related to interventions and selecting and delivering occupations and activities: Occupations as a therapeutic intervention, Interventions to support occupations including therapeutic exercise and Interventions to support well-being (e.g., complementary health and integrative health) Interventions to support self-advocacy related to the person, groups, or populations and Virtual interventions

- Demonstrate knowledge of: Care coordination, case management, and transition services in traditional and emerging practice environments. The consultative process with persons, groups, programs, organizations, or communities in collaboration with inter- and intra-professional colleagues.
- Demonstrate the principles of the teaching-learning process using educational methods and health literacy education approaches: To design activities and clinical training for persons, groups, and populations and to instruct and train the client, caregiver, family, significant others, and communities at the level of the audience.
- Demonstrate effective communication with clients, care partners, communities, and members of the intra-professional and interprofessional teams in a responsive and responsible manner that supports a team approach to promote client outcomes.
- Demonstrate awareness of the principles of intra-professional and interprofessional team dynamics to perform effectively in different team roles to plan, deliver, and evaluate patient- and population-centered care as well as population health programs and policies that are safe, timely, efficient, effective, and equitable.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 222 - Clinical Seminar 2

Credits: 1

Students learn basics of patient-therapist interaction, documentation, clinical issues, and therapeutic techniques. Also includes weekly discussion of concurrent clinical experiences.

Enrollment Requirement: Concurrent enrollment in OTA 223; and enrollment in OTA program.

Course Fee: \$122.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply and analyze the role of sociocultural, socioeconomic, and diversity, equity, and inclusion factors, as well as lifestyles in contemporary society to meet the needs of persons, groups, and populations. Course content must include, but is not limited to, introductory psychology, abnormal psychology, and introductory sociology or introductory anthropology.
- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Demonstrate activity analysis in areas of occupation, performance skills, performance patterns, context, and client factors to implement the intervention plan.

Program Outcomes

- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 223 - Application of OTA Co-op Experience 2

Credits: 1

Students participate in supervised clinical experience with patients in a community practice setting. Includes directed observation, planning, and implementation of patient treatments as assigned by the clinical supervisor. This is a pass/no credit course.

Enrollment Requirement: Concurrent enrollment in OTA 222 and enrollment in OTA program.

Course Fee: \$28.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Plan and prepare for treatment of patients/clients.
- Implement treatment activity with patients/clients as assigned by fieldwork (FW) Clinical Instructor (CI).
- Observation and recording of patient/client/student performance.
- Use effective work habits in the clinical setting.
- Communicate effectively with patient/clients and staff.
- Apply treatment theories and techniques used in the assigned clinics.
- Use observation, histories, and interviews of patient as assigned to assist in the screening and assessment of patients.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 224 - Therapeutic Adaptations

Credits: 2

An advanced course where students demonstrate previously learned technical skills as well as their knowledge of physical dysfunctions as they work with a variety of material to design, modify, adapt and fabricate special equipment and assistive devices for the disabled. Students demonstrate and articulate the use of technology to support performance, participation, health and wellbeing.

Enrollment Requirement: Concurrent enrollment in OTA 225; and admitted to the OTA program.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply scientific evidence, theories, models of practice, and frames of reference that underlie the practice of occupational therapy to guide and inform interventions for persons, groups, and populations in a variety of practice contexts and environments.
- Demonstrate the application of principles of instructional design and teaching and learning in content related to occupational therapy which includes at minimum: Development of learning objectives, design of material, development of learning assessment, delivery of professional presentation. Self-reflection of process.
- Assess, grade, and modify the way persons, groups, and populations perform occupations and activities by adapting processes, modifying environments, implementing assistive technology or adaptive equipment, and applying ergonomic principles to reflect the changing needs of the client, sociocultural context, and technological advances.
- Describe the collaboration process with the occupational therapist to identify appropriate features of assistive technologies and durable medical equipment to support the client's participation. Demonstrate strategies with assistive technologies and devices (e.g., aids for communication, mobility, sensory loss, computer access, seating, and positioning systems) used to enhance occupational performance.
- Explain the need for orthotics, and design, fabricate, apply, fit, and train in orthoses and devices used to enhance occupational performance and participation. Train in the safe and effective use of prosthetic devices used to enhance occupational performance.
- Understand the business aspects of practice including, but not limited to, the development of business plans, financial management, reimbursement, program evaluation models, strategic planning, and liability issues under current models of service provision including providing services on a contractual basis.
- Demonstrate knowledge of: Care coordination, case management, and transition services in traditional and emerging practice environments. The consultative process with persons, groups, programs, organizations, or communities in collaboration with inter- and intra-professional colleagues.
- Identify the need and demonstrate the ability to participate in the development, support, promotion, and management of service delivery options.
- Participate in ongoing processes for quality management and improvement (e.g., outcome studies analysis and client engagement surveys) and implement program changes as needed to demonstrate quality of services.
- Understand how quantitative and qualitative research studies inform occupational therapy practice.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 225 - Application of Therapeutic Activities

Credits: 3

An advanced course where students will apply and integrate previously learned technical skills as well as knowledge of physical dysfunction as they work with a variety of materials to design, modify, adapt and fabricate special equipment and assistive devices for the disabled.

Enrollment Requirement: Concurrent enrollment in OTA 224.

Course Fee: \$82.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the application of principles of instructional design and teaching and learning in content related to occupational therapy which includes at minimum: Development of learning objectives, design of material, development of learning assessment and delivery of professional presentation and self-reflection of process.
- Describe the collaboration process with the occupational therapist to identify appropriate features of assistive technologies and durable medical equipment to support the client's participation. Demonstrate strategies with assistive technologies and devices (e.g., aids for communication, mobility, sensory loss, computer access, seating, and positioning systems) used to enhance occupational performance.
- Understand the business aspects of practice including, but not limited to, the development of business plans, financial management, reimbursement, program evaluation models, strategic planning, and liability issues under current models of service provision including providing services on a contractual basis.

- Demonstrate knowledge of: Care coordination, case management, and transition services in traditional and emerging practice environments and the consultative process with persons, groups, programs, organizations, or communities in collaboration with inter- and intra-professional colleagues.
- Identify the need and demonstrate the ability to participate in the development, support, promotion, and management of service delivery options.
- Participate in ongoing processes for quality management and improvement (e.g., outcome studies analysis and client engagement surveys) and implement program changes as needed to demonstrate quality of services.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.
- Discuss the basic tenets of occupational therapy.
- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 228 - Pre-Fieldwork Experience Seminar

Credits: 2

Prepares student for successful completion of Level 2 fieldwork. Emphasizes further development of documentation skills. Additional topics include self-assessment in preparation for full-time fieldwork, job search skills, service operations, and supervision issues.

Enrollment Requirement: Enrollment in OTA Program.

Course Fee: \$55.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create and implement a plan to address individualized personal and professional responsibilities that are consistent with current accepted standards and long-term professional goals. The plan must address the following: Personal well-being, alignment with current accepted norms in occupational therapy practice, advocacy related to clients, occupational therapy, or the role of the occupational therapist or occupational therapy assistant and long-term career objectives. A strategy to evaluate, refine, and update the plan over time.
- Demonstrate knowledge of effective leadership styles. Identify personal and professional strengths and areas for growth to become an effective leader.
- Demonstrate knowledge of applicable national requirements for credentialing and requirements for licensure, certification, or registration consistent with federal and state laws.

Program Outcomes

- Conduct and document a screening and evaluation process.
- Intervene and implement occupational therapy processes.
- Describe the context of occupational therapy services.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 240 - Fieldwork Experience Seminar 1

Credits: 1

Students discuss and problem-solve fieldwork experiences, read and discuss literature appropriate to fieldwork and review OTA program content in preparation for national certification exam.

Enrollment Requirement: Concurrent enrollment in OTA 245; and enrollment in OTA program.

Course Fee: \$167.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the social determinants of health for persons, groups, and populations with or at risk for disabilities and chronic health conditions. This must include epidemiological factors that impact the public health and welfare of populations.
- Understand the importance of professional responsibility to continue to improve self. Student will identify challenges and how a plan to meet those challenges while in fieldwork.
- Articulate the characteristic of the relationship between their Clinical Instructor and themselves as well as the Occupational Therapy and Occupational Therapy Assistant collaboration.
- Demonstrate use of evidence base knowledge when articulating professional reasoning.
- Become more aware with strategies/treatment techniques used in a variety of settings.
- Identify what made their relationship with their Fieldwork Educator successful, discover what makes the collaborative approach to supervision and patient care, methods used to establish roles.
- Understand the importance of professional responsibility to continue to improve self. Student will identify challenges and how a plan to meet those challenges while in fieldwork.
- Demonstrate ability to identify and meet the needs identified in their fieldwork site.
- Articulate the role of the Occupational Therapy Assistant and Occupational Therapist in the screening and evaluation process along with the importance of and rationale for supervision and collaborative work between the occupational therapy assistant and occupational therapist is that process.
- Participate in the documentation of ongoing process of quality management and improvement and demonstrate program changes as needed to demonstrate quality of services.

Program Outcomes

- Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 241 - Fieldwork Experience Seminar 2

Credits: 1

Students discuss and problem-solve fieldwork experiences, read and discuss literature appropriate to fieldwork, and review OTA program content in preparation for national certification exam.

Enrollment Requirement: Concurrent enrollment in OTA 246; and enrollment in OTA program.

Course Fee: \$194.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Requirements for Credentialing and Licensure: Provide care and programs that demonstrate knowledge of applicable national requirements for credentialing and requirements for licensure, certification, or registration consistent with federal and state laws.
- Understand the importance of professional responsibility to continue to improve self. Student will identify challenges and how a plan to meet those challenges while in fieldwork.
- Articulate the characteristic of the relationship between their Clinical Instructor and themselves as well as the Occupational Therapy and Occupational Therapy Assistant collaboration.
- Demonstrate use of evidence base knowledge when articulating professional reasoning.
- Quality of Management and Improvement: Participate in the documentation of ongoing processes for quality management and improvement (e.g., outcome studies analysis and client engagement surveys) and implement program changes as needed to demonstrate quality of services.
- Become more aware with strategies/treatment techniques used in a variety of settings.
- Identify what made their relationship with their Fieldwork Educator successful, discover what makes the collaborative approach to supervision and patient care, methods used to establish roles.
- Demonstrate ability to identify and meet the needs identified in their fieldwork site.
- Articulate the role of the Occupation Therapy Assistant and Occupational Therapist in the screening and evaluation process along with the importance of and rationale for supervision and collaborative work between the occupational therapy assistant and occupational therapist is that process.

Program Outcomes

Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

OTA 245 - Co-op Fieldwork Experience 1

Credits: 11

Fieldwork experience includes practice in one of the following areas: physical disabilities, psychological dysfunction, geriatrics, developmental disabilities, pediatrics, work hardening/pain management, or hand therapy under the supervision of a licensed occupational therapy practitioner. This is a pass/no credit course.

Enrollment Requirement: Concurrent enrollment in OTA 240; and enrollment in OTA program.

Course Fee: \$36.00

Course Outcomes:

Students who successfully complete this Level 2 fieldwork will meet the following outcomes. For specific criteria, see the Level 2 evaluation completed by the Level 2 Fieldwork Educator.

- **Professional Behaviors and Responsibilities:** Students will demonstrate the development of professional conduct, accountability, and ethical responsibilities essential to occupational therapy practice.
- **Occupational Therapy Process:** Students will apply evidence-based occupational therapy principles and clinical reasoning to deliver patient-centered interventions across diverse populations.
- **Communication:** Students will effectively communicate occupational therapy concepts, treatment plans, and patient education to clients, families, and interprofessional team members.
- **Feedback:** Students will actively utilize constructive feedback to reflect on their performance, demonstrate growth, and enhance clinical competence.

- **Core Values of Occupational Therapy:** Students will exemplify the core values of occupational therapy-such as life-long learning altruism, respect, equality, and justice-in their interactions and clinical decision-making.

Program Outcomes

Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

OTA 246 - Co-op Fieldwork Experience 2

Credits: 11

Fieldwork experience includes practice in one of the following areas: physical disabilities, psychological dysfunction, geriatrics, developmental disabilities, pediatrics, work hardening/pain management, or hand therapy under the supervision of a licensed occupational therapy practitioner. This is a pass/no credit course.

Enrollment Requirement: OTA 245 with grade of 2.0 or higher; concurrent enrollment in OTA 241; or instructor consent.

Course Fee: \$26.00

Course Outcomes:

Students who successfully complete this Level 2 fieldwork will meet the following outcomes. For specific criteria, see the Level 2 evaluation completed by the Level 2 Fieldwork Educator.

- **Professional Behaviors and Responsibilities:** Students will demonstrate the development of professional conduct, accountability, and ethical responsibilities essential to occupational therapy practice.
- **Occupational Therapy Process:** Students will apply evidence-based occupational therapy principles and clinical reasoning to deliver patient-centered interventions across diverse populations.
- **Communication:** Students will effectively communicate occupational therapy concepts, treatment plans, and patient education to clients, families, and interprofessional team members.

- **Feedback:** Students will actively utilize constructive feedback to reflect on their performance, demonstrate growth, and enhance clinical competence.
- **Core Values of Occupational Therapy:** Students will exemplify the core values of occupational therapy-such as life-long learning altruism, respect, equality, and justice-in their interactions and clinical decision-making.

Program Outcomes

Demonstrate mastery of the occupational therapy foundational content requirements.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Oceanography

OCEA& 101 - Introduction to Oceanography

Credits: 5

Introduces the fundamental principles of ocean science: the geology and geography of ocean basins; chemistry of sea water; physical dynamics of currents, waves, and tides; coastal processes; how human activity influences ocean environments; and the diverse ecosystems of Earth's oceans such as deep sea vents, coral reefs, and estuaries.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply information presented during the lectures to the solutions of open-ended questions.
- Make observations (in class and on field trips) and correctly link those observations to information from the course.
- Use a computer to analyze and obtain oceanographic data.
- Work effectively with peers in finding solutions to oceanographic problems.

Program Outcomes

- Produce written interpretations of oceanographic materials
- Make oceanographic inferences from newly presented materials.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Philosophy**PHIL& 101 - Introduction to Philosophy**

Credits: 5

Introduces students to the major problems and figures of philosophy. Gives students a greater understanding of human experience through the examination of the concepts of reality, knowledge and value. Questions posed may include: Does God exist? Do we act freely? Is the mind distinct from the body? Can we ever know anything for certain? What really matters?

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments from the four major areas of philosophy.
- State and evaluate non-trivial theories and arguments from various philosophical sources.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 102 - Contemporary Moral Problems

Credits: 5

Introduces students to the most urgent moral problems of our day. Provides students with an introduction to ethical theories and their application to contemporary moral problems. Topics may include war and torture, capital punishment, animal rights and the environment, abortion, euthanasia, and liberty.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments of the major normative ethical theories.
- Apply major normative ethical theories apply to contemporary moral issues such as abortion, capital punishment, euthanasia, food ethics, gun control, and other issues of similar urgency.
- State and evaluate non-trivial theories and arguments from various sources related to contemporary moral philosophy.
- Recognize the consequences of their actions and hold themselves accountable.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 103 - Historical Survey-Ancient Philosophy

Credits: 5

Introduces students to the ancient philosophy of western civilization. Examines the beginnings of philosophy from pre-Socratic ancient Greece up to the early Christian era, including such philosophers as Thales, Pythagoras, Heraclitus, Parmenides, Socrates, Plato, Aristotle, and Epicurus. Emphasizes how past thinkers have influenced current thought and practice.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments from pre-Socratic ancient Greece up to the early Christian era.
- State and evaluate non-trivial theories and arguments from various sources related to ancient philosophy.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 105 - Historical Survey-Modern Philosophy

Credits: 5

Introduces students to the philosophy of modern western civilization. Examines the period of philosophy from the humanism of the Enlightenment through the end of the 19th century, including such philosophers as Descartes, Leibniz, Spinoza, Hobbes, Locke, Berkeley, Hume, and Kant. Emphasizes the influence of these philosophers on

current thought and practice.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments from the Enlightenment through the end of the nineteenth century.
- State and evaluate non-trivial theories and arguments from various sources related to modern philosophy.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 108 - Historical Survey-Contemporary Philosophy

Credits: 5

Introduces students to a survey of issues in philosophy from roughly the beginning of the twentieth century to the present. Key figures include Frege, Russell, Moore, Wittgenstein, Quine, Davidson, Kripke, and Putnam. Key topics include Logical Atomism, Logical Positivism, Ordinary Language Philosophy, Truth, Meaning, Reference, and Interpretation. May also discuss reactions to contemporary philosophy in the form of phenomenology, pragmatism, and existentialism.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments from roughly the beginning of the twentieth century to the present.

- State and evaluate non-trivial theories and arguments from various sources related to contemporary philosophy.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 110 - Social and Political Philosophy

Credits: 5

Introduces students to the major themes of social and political philosophy, including justice, forms of government, revolution, liberty, equality, and civil disobedience. Sample topics include: What is a just distribution of income? What is the best form of government? Should there be limits to free speech? Is one ever justified in disobeying the law?

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments concerning the establishment and justification of societies.
- State and evaluate non-trivial theories and arguments from various sources related to social and political philosophy.
- Identify just relationships amongst and between members and societies.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 111 - Science, Technology, and Value

Credits: 5

Introduces students to the social, environmental, and ethical implications of contemporary science and technology. Topics include the normative ethics of behavior, value theory, and metaphysics together with issues on artificial intelligence, internet privacy, climate change, biotechnology, gender, and everyday artifacts.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to technological usage, research, and advancement.
- State and evaluate non-trivial theories and arguments from various sources related to science, technology, and value.
- Identify the practical implications of the interconnectedness of human values and technological development to their own lives and professions.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 112 - Ethics in the Workplace

Credits: 5

Introduces students to the ethical issues and problems (national and international) that arise in workplace, professional, and organizational settings. Helps students identify and solve these problems within the framework of ethical theory. May include topics such as negotiation, sexual harassment, comparable worth, whistleblowing, and the rights and responsibilities of employers and employees.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to ethical issues in the workplace.
- State and evaluate non-trivial theories and arguments from various sources related to ethics in the workplace.
- Identify the practical implications of ethical issues in the workplace on their own lives and professions.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL& 115 - Critical Thinking

Credits: 5

Introduces students to informal non-symbolic logic and critical thinking. Sample topics include language analysis, inductive reasoning, statistical analysis, causal reasoning, arguments from analogy and fallacious patterns of reasoning. Students examine arguments in real-life situations which allows for a more willing exchange of ideas through asking questions, constructing arguments, and engaging in reasoned discussion.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to the systematic formulation and evaluation of beliefs by rational standards.
- State and evaluate non-trivial theories and arguments from various sources related to critical thinking.
- Relate critical thinking to personal freedom and empowerment.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL& 120 - Symbolic Logic

Credits: 5

Introduces students to modern symbolic logic, including both propositional logic translation and proofs and predicate logic translation and proofs. Topics may include recognizing arguments, translating from a natural to a formal language, validity of arguments, logical implication, equivalency, and consistency.

Enrollment Requirement: MATH 97 with a grade of 2.0 or higher; or eligible for MATH 107 or higher.

Satisfies Requirement: Natural Science or, under certain conditions, the quantitative component of the basic skills requirement.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Distinguish key concepts and terms in logic.
- Translate from English to the language of propositional and predicate logic.
- Construct truth tables to reveal the logical structure of individual statements, multiple statements, and determine the validity of an argument.
- Construct proofs in propositional and predicate logic.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PHIL 160 - Introduction to the Philosophy of Science

Credits: 5

Introduces students to a critical look at the methods of inquiry associated with the sciences. Drawing from a broad range of historical and contemporary sources, topics will include: the aim of science; distinguishing science from non-science; scientific explanation, confirmation, and falsification; and the structure of scientific revolutions. Other topics may be discussed.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to philosophy of science.
- State and evaluate non-trivial theories and arguments from various sources related to philosophy of science.
- Trace the influence of philosophy on scientific theories and practices.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect

towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 199 - Independent Study in Philosophy

Credits: 1-5

Allows students to independently study a topic of their special interest in philosophy. Students meet on a tutorial basis with a philosophy instructor. Credits, topics, and assignments vary according to student-faculty agreement.

Enrollment Requirement: Two courses in Philosophy, a topic that some member of the department is qualified to direct and evaluate, and consent from the division chair and instructor. Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to the agreed upon topic.
- State and evaluate non-trivial theories and arguments from various sources related to the agreed upon topic.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 200 - Introduction to the Philosophy of Religion

Credits: 5

Introduces students to the philosophy of religion, exploring such issues as the existence of God, faith and reason, the problem of evil, and the possibility of immortality.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to philosophy of religion.
- State and evaluate non-trivial theories and arguments from various sources related to philosophy of religion.
- Apply a consistent critical lens to the claims or doctrines of any religion.

Program Outcomes

- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.
- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 206 - Gender and Philosophy

Credits: 5

Examines how issues of gender have entered into discussions within the major fields of philosophy, including ethics, theory of knowledge, philosophy of science, philosophy of religion, and social and political philosophy.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to gender and philosophy.
- State and evaluate non-trivial theories and arguments from various sources related to gender and philosophy.
- Recognize the dominance of hegemonic masculinity on the discipline of philosophy.
- Evaluate the suppression or denigration of femininity on many philosophical topics.

Program Outcomes

- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.
- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 210 - Comparative Religion

Credits: 5

Introduces students to the world's major and newer religious traditions through philosophical, religious, and literary texts. Helps students to understand the philosophical similarities and differences among these religions. Religious traditions covered in this class may include: Zoroastrianism, Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, Islam, Sikhism, Baha'i, Santeria, Umbanda, Wicca, and New Age Theosophy.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to the world's major and newer religions.

- State and evaluate non-trivial theories and arguments from various sources related to the world's major and newer religions.
- Recognize how religious traditions influence each other over time.
- Evaluate how historical and political forces suppress or denigrate non-Western religious perspectives.

Program Outcomes

- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.
- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 216 - Women and World Religions

Credits: 5

Explores feminine perspectives of religion and spirituality in classical and indigenous religions today and throughout history. Examines images of the divine, mythological presentations, as well as roles and practices of women in each tradition through the study of traditional writings, feminist themes and feminist theologies. Addresses questions such as: What do sacred sources in traditional religions say about women and issues of gender; and how both men and women in society used oral and written sacred narratives. Previously HUMAN 224.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to views of sex, gender, and sexuality within the world's major and newer religions.

- Identify the influence of religious conceptions of sex, gender, and sexuality on identity, language, communication (both verbal and nonverbal), values, media, power, and violence.
- State and evaluate non-trivial theories and arguments related to sex, gender, and sexuality.
- Recognize the dominance of Essentialist/Biological and patriarchal religious perspectives.
- Evaluate the suppression or denigration of feminine identities which are intersectional, multiple, and fluid.

Program Outcomes

- Demonstrate intellectual humility in forming and defending their own beliefs while being respectful of the views of others.
- Systematically formulate, develop, and defend non-trivial answers to philosophical questions by applying rational standards.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 220 - Introduction to Eastern Philosophy

Credits: 5

Introduces students to eastern philosophies through philosophical, religious, and literary texts. Helps students understand the philosophical similarities and differences among these traditions, especially as they relate to reality, value, knowledge, the self and religion. Topics may include Hinduism, Buddhism, Confucianism, Legalism, Mohism, Daoism, and Neo-Confucianism.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to Eastern philosophies from India, China, and Japan.

- State and evaluate non-trivial theories and arguments from various sources related to eastern Philosophy.
- Identify how Eastern philosophical traditions influence each other over time.
- Recognize the dominance of Western philosophical perspectives.
- Evaluate the suppression or denigration of Eastern philosophical perspectives.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 236 - Existentialism

Credits: 5

Explores central themes of Existentialism, including personal responsibility, human freedom, the absence of external sources of value, the absurdity of human existence, and the meaning of life. Examines key philosophical and literary texts central to the Existentialist movement.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to human existence.
- State and evaluate non-trivial theories and arguments from various sources related to human existence.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 238 - Introduction to Philosophy of Human Rights

Credits: 5

Introduces students to some of the major issues concerning human rights. Sample topics include: Are there such things as human rights? Are human rights universal or are they culturally relative? Are minority rights exceptions to or different from human rights? Do future people have rights?

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to the nature of rights and their expression.
- State and evaluate non-trivial theories and arguments related to human rights.
- Recognize the dominance of Eurocentric philosophical perspectives.
- Evaluate the suppression or denigration of minority and indigenous philosophical perspectives.

Program Outcomes

- Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.
- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 240 - Introduction to Ethics

Credits: 5

Introduces students to a philosophical study of morality. Helps students to understand and analyze competing ethical claims based on such standards as happiness, duty, human nature, theology, and custom. Questions considered may include: What makes actions right, if anything? What makes anything good or evil, if anything? What, if anything, makes a person a good person?

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to ethics.
- Apply the major normative ethical theories to practical moral considerations in public and private life.
- State and evaluate non-trivial theories and arguments related to ethics.
- Recognize the consequences of their actions and hold themselves accountable.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 243 - Environmental Ethics

Credits: 5

Introduces students to the moral relations between human beings and their natural environment. Topics include animal rights, population and consumption, pollution,

climate change, economics and the environment, and sustainability.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to the major normative ethical theories, theories of moral standing and value.
- Apply ethical theories to contemporary problems related to the environment.
- State and evaluate non-trivial theories and arguments related to environmental ethics.
- Recognize the consequences of their actions and hold themselves accountable.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PHIL 244 - Bioethics

Credits: 5

Introduces students to ethical issues relating to medical practice and biological research. Topics may include reproductive ethics (especially concerning genetic engineering and testing); definitions of health, disease, and disability; abortion and end of life care (advanced directives, assisted suicide, euthanasia); experimentation (both human and animal); and practitioner-patient relationships.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate command of important philosophical terminology, themes, and arguments related to the major normative ethical theories.
- Apply ethical theories to contemporary problems in biology and medicine.
- State and evaluate non-trivial theories and arguments related to bioethics.

Program Outcomes

Form, analyze, and assess beliefs while demonstrating intellectual humility and respect towards the beliefs of others.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Phlebotomy

PHLEB 103 - Medical Assistant Phlebotomy Laboratory

Credits: 4

This course is designed to equip students with the essential skills and knowledge required for a successful career in phlebotomy. Participants will engage in hands-on learning experiences to master the art of blood collection while also focusing on vital aspects of patient care and laboratory procedures. Will include how to manage age specific needs, provide customer service, and obtain special collections. Previously PHLEB 102.

Enrollment Requirement: Instructor permission.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate vital signs, EKG techniques and rhythm strip reading.
- Demonstrate accepted practices for infection control, isolation techniques, aseptic techniques, and methods for prevention of disease.
- Observe the OSHA Blood borne Pathogens Standard and Needle Safety Precaution Act.
- Demonstrate basic anatomy and physiology including veins of the arms and hands which phlebotomy is performed using correct anatomical terminology.

- Demonstrate knowledge of collection equipment, various types of additives used, special precautions necessary, and substances that can interfere in clinical analysis of blood constituents.
- Demonstrate requisitioning, specimen transport, and specimen processing with quality assurance and quality control in phlebotomy.
- Demonstrate professional communication (verbally and non-verbally) in the workplace.

Program Outcomes

- Define and describe phlebotomy, phlebotomy services, ethical, legal, and regulatory issues including HIPAA.
- Define and describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by phlebotomists.
- Define and describe standard operating procedures to collect specimens including blood collection equipment, documentation, specimen handling, and transportation.
- Define and describe special collections in phlebotomy and effect on client safety.
- Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.
- Perform all steps of phlebotomy procedures including collection of equipment, reagents, supplies, interfering chemical substances, specimen requisitioning, collection, transport and processing.
- Perform appropriate professional communication and documentation of vital signs, EKGs, and phlebotomy procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PHLEB 104 - Medical Assistant Phlebotomy

Credits: 4

This course provides students with a solid foundation in the theoretical aspects of phlebotomy, ensuring a comprehensive understanding of the principles, ethics, and

regulations that govern this critical healthcare profession. Participants will delve into the core concepts that form the backbone of successful phlebotomy practice, setting the stage for a career characterized by precision, ethical conduct, and patient safety across the lifespan.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify phlebotomy, phlebotomy services, ethical, legal, and regulatory issues including HIPAA.
- Identify anatomic structures and function of body systems using correct medical terminology in relation to services performed by phlebotomists.
- Identify infection control and measures to ensure patient safety in various settings.
- Identify standard operating procedures to collect specimens including blood collection equipment, documentation, specimen handling, and transportation.
- Identify special collections in phlebotomy and effect on patient safety.

Program Outcomes

- Define and describe phlebotomy, phlebotomy services, ethical, legal, and regulatory issues including HIPAA.
- Define and describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by phlebotomists.
- Define and describe standard operating procedures to collect specimens including blood collection equipment, documentation, specimen handling, and transportation.
- Define and describe special collections in phlebotomy and effect on client safety.
- Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.
- Perform all steps of phlebotomy procedures including collection of equipment, reagents, supplies, interfering chemical substances, specimen requisitioning, collection, transport and processing.
- Perform appropriate professional communication and documentation of vital signs, EKGs, and phlebotomy procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PHLEB 105 - Advanced Phlebotomy Practicum

Credits: 6

Consists of campus theory and lab as well as clinical experience in an assigned medical facility, to be arranged by the instructor. Provides practical experience in the role of the phlebotomy technician. Attendance is required to pass. Student must achieve a minimum grade of 2.5 or higher in order to pass the course. Meets the requirements for National Board Certification for a Phlebotomy Technician.

Enrollment Requirement: Completion of the Medical Assistant Phlebotomy Certificate at Green River College within 2 years of application, with a 2.5 GPA in all required courses.

Liability Insurance and Health (injury and sickness) Insurance.

Course Fee: \$250.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform all steps of phlebotomy procedures including collection of equipment, reagents, supplies, interfering chemical substances, specimen requisitioning, collection (venipunctures and skin punctures), transport and processing safely.
- Perform a minimum of 100 unaided venipunctures.
- Identify anatomic structures and function of body systems using correct medical terminology in relation to services performed by phlebotomists.
- Describe standard laboratory operations including safety and quality control as they pertain to federal, state, and locally mandated regulations.

Program Outcomes

- Describe phlebotomy, phlebotomy services, ethical, legal, and regulatory issues including HIPAA.
- Describe anatomic structures and function of body systems using correct medical terminology in relation to services performed by phlebotomists.

- Describe standard operating procedures to collect specimens including blood collection equipment, documentation, specimen handling, and transportation.
- Describe special collections in phlebotomy and effect on client safety.
- Perform infection control techniques and safety complying with federal, state, and locally mandated regulations regarding safety practices.
- Perform all steps of phlebotomy procedures including collection of equipment, reagents, supplies, interfering chemical substances, specimen requisitioning, collection, transport and processing.
- Communicate appropriately and professionally in the workplace.
- Document vital signs, EKGs, and phlebotomy procedures.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Photography

PHOTO 101 - Beginning Black and White Photography

Credits: 5

Stimulates an interest in and furthers the understanding of the techniques and principles of photography. Introduces students to camera lenses, types of black and white film, proper film exposure, black and white film processing, and basic printmaking. Course requires a 35mm film camera.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a working knowledge of camera operation.
- Apply the concepts of proper exposure, equivalent exposure, and the creative control of depth of field and motion.
- Demonstrate the processes of film development, contact printing and enlarging.
- Demonstrate the use of contrast control and burning and dodging techniques.
- Apply the concepts of photographic lighting and composition.
- Identify various genres and styles from the history of photography.
- Practice darkroom safety and health procedures.
- Apply the use of photographic terms and concepts in the evaluation of their work and others in a critique setting.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PHOTO 102 - Intermediate Photography

Credits: 5

For students who have learned the fundamentals of film photography. Concentrates on the more complex aspects of exposure, printmaking skills, lighting and composition while increasing photographic concepts and vision. Students refine the aesthetic and technical aspects of their photography. Course requires a 35mm film camera.

Enrollment Requirement: PHOTO 101 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate sound technical and visual skills in their work.
- Apply the concepts of the zone system to properly expose and develop their photographs.
- Properly demonstrate the process of fiber based printing technique.
- Demonstrate matting and presentation techniques.
- Create a photographic series that examines a cohesive theme or visual concept.
- Practice the use of alternative photographic techniques.
- Construct a written artist statement that supports their photographic project.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PHOTO 103 - Advanced Photography

Credits: 5

For the student who has chosen to use photography as a form of creative expression. Students further refine their aesthetic and technical skills while developing a personal style. Students are directed toward personal projects that result in a portfolio of coherent images. Course requires a 35mm film camera.

Enrollment Requirement: PHOTO 102 with a grade of 1.0 or higher; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate basic studio lighting techniques.
- Create photographs that demonstrate a high quality of craftsmanship and well examined design choices.
- Create and develop a photographic series that examines a cohesive theme or visual concept.
- Connect their project within, or as a response to, genres or styles from the history of photography.
- Demonstrate matting and presentation techniques.
- Construct a written artist statement that supports their photographic project.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PHOTO 111 - Beginning Digital Photography

Credits: 5

Introduces the aesthetic and technical theories and techniques of digital photography. Topics include camera and lens operation, memory cards, file formats, exposure, white balance, composition, lighting, creativity, image editing software and output. Course requires a digital camera.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a working knowledge of camera operational controls.

- Demonstrate photographic image editing software techniques.
- Demonstrate photographic composition and the elements and principals of design skills.
- Demonstrate photographic lighting skills.
- Demonstrate photographic image printing techniques.
- Demonstrate photographic creativity.
- Demonstrate photographic craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PHOTO 112 - Intermediate Digital Photography

Credits: 5

Continues the study of aesthetic and technical theories and techniques of digital photography. Topics include intermediate level exposure, composition, lighting, creativity and image editing and correction techniques. Students begin to develop a personal photographic style. Course requires a digital camera.

Enrollment Requirement: PHOTO 111 with a grade of 1.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Execute intermediate level camera exposure techniques.
- Execute intermediate level composition principals, including the elements and principals of design.

- Execute intermediate level photographic lighting principals.
- Execute intermediate level photographic tonal conversion techniques.
- Execute intermediate levels photographic image editing techniques.
- Execute intermediate levels photography criticism techniques.
- Execute intermediate levels photographic creativity.
- Execute intermediate levels photographic craftsmanship.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PHOTO 113 - Advanced Digital Photography

Credits: 5

Furtheres the study of aesthetic and technical theories and techniques of digital photography. Emphasizes the development of a related body of work demonstrating the student's personal photographic vision. Explores advanced digital camera and image editing software techniques. Course requires a digital camera.

Enrollment Requirement: PHOTO 112 with a grade of 1.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Conduct advanced level camera operation and exposure techniques.
- Conduct advanced level composition techniques incorporating the elements and principals of design.

- Conduct advanced level photographic lighting principals and techniques.
- Conduct advanced level photographic image editing techniques.
- Conduct advanced level photography criticism techniques and theories.
- Conduct advanced level photographic creativity.
- Conduct advanced level photographic craftsmanship.
- Conduct a research and presentation of a photographic portfolio project.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.
- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PHOTO 197 - Independent Study-Photography

Credits: 1-5

Encourages students to study and develop independently in their major area of advanced photography. Students develop their own objectives, evaluation criteria, and performance standards in conjunction with the appropriate instructor.

Enrollment Requirement: Instructor consent.

Course Fee: \$25.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop their own learning objectives in conjunction with the appropriate instructor.

Program Outcomes

- Demonstrate an understanding of the elements and principals of design.

- Demonstrate responsibility by class attendance and completion of assignments and projects.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Physical Education

P E 101 - Physical Fitness Lab

Credits: 2

Focuses on cardiorespiratory fitness. Uses aerobic machines (ADA) in the fitness center. Lecture and lab activities focus on cardiorespiratory endurance, reduction or maintenance of body fat levels, safe and sound activity principles, nutrition, weight management/control, and risk factors for disease.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain information necessary to make wise choices regarding physical activity, nutrition, weight management/control, body composition and risk factors for disease.
- Develop programs and participated in safe and effective aerobic activity suitable to their individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 102 - Jogging

Credits: 2

Focuses on cardiorespiratory fitness through jogging on a walking track, campus trails, and in nearby neighborhoods. Lecture and lab activities focus on cardiorespiratory endurance, reduction or maintenance of body fat levels, safe and sound activity principles, nutrition, weight management/control, and risk factors for disease.

Course Fee: \$8.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective jogging/running activities suitable to individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 103 - Total Physical Fitness

Credits: 3

Emphasizes total body fitness and focuses on aerobic activity and resistance training. Lecture and lab activities focus on cardiorespiratory endurance, muscular strength and endurance, safe and sound activity principles, nutrition, and risk factors for disease.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.

- Develop programs and participate in safe and effective aerobic and anaerobic activities suitable to their individual goals and the course purpose.
- Maintain or improve fitness levels and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 109 - Court Games

Credits: 3

Focuses on the fundamentals of badminton, pickleball, and volleyball as lifetime leisure activities. Enables the participant to practice and acquire proper techniques and strategies associated with badminton, pickleball, and volleyball and learn the rules governing each game.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the rules and strategies pertinent to badminton, pickleball, and volleyball.
- Practice the following racket and paddle strokes: serve, lob, drop, smash, overhead, backhand, forehand, and drive.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 111 - Aerobic Walking

Credits: 2

Focuses on cardiorespiratory fitness through aerobic walking on a walking track, trails, and nearby neighborhoods surrounding the campus. Lecture and lab activities focus on cardiorespiratory endurance, reduction or maintenance of body fat levels, safe and sound activity principles, nutrition, weight management/control, and risk factors for disease.

Course Fee: \$8.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective aerobic walking techniques suitable to their individual goals and the course purpose.
- Maintain or improve cardio-respiratory endurance.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 112 - Karate

Credits: 1

Focuses on the basics of traditional Shito-Ryu karate. Students receive instruction in proper sport or self-defense etiquette, Japanese terminology, traditional Kata (form), basic self-defense techniques, basic blocks, kicks, and bag workout.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the history, tradition, and philosophy of karate.
- Participate in karate forms.
- Practice and develop concentration, self-discipline, and self-esteem.
- Practice and develop skill in basic blocks, punches, and kicks.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 113 - Group Dynamic Activities

Credits: 1

Focuses on self-confidence and team-building skills through participation in a graduated series of problem-solving and challenge activities. Employs initiative activities, games, and an adventure-based challenge/ropes course. Meets two eight-hour days.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the ability to work within a group by practicing leadership, followership, decision-making, and problem solving.
- Demonstrate the ability to evaluate sound physical activity and personal safety with respect to strengths and weaknesses within the group and the individual.
- Demonstrate the ability to recognize self-imposed boundaries and challenge those perceived limitations resulting in a fuller appreciation of self.
- Interact with nature as an outdoor learning environment in order to apply an appreciation and respect for the beauty of its various elements.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 114 - Cardio Conditioning

Credits: 1

Focuses on cardiorespiratory fitness using treadmills, stationary bicycles, stair climbers, rowing machines, cross-country ski machines, elliptical trainers, arc trainers, and ADA SciFit. Develops general endurance of the respiratory and circulatory systems, reduces or maintains body fat levels, and provides knowledge in safe and sound activity principles.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Develop programs and participate in safe and effective aerobic activity suitable to their individual needs and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.

- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 115 - Kick-Box Aerobics

Credits: 1

Focuses on cardiorespiratory fitness using skills and techniques of kickboxing combined with music. Develops general endurance of the respiratory and circulatory systems, reduces or maintains body fat levels and teaches basic martial art skills such as punching, kicking, knee raises, and many combinations.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques associated with kick-box aerobics.
- Participate in safe and effective aerobic activity suitable to their individual needs and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 117 - Badminton/Pickleball

Credits: 1

Focuses on the fundamentals of badminton and pickleball as lifetime leisure activities.

Enables participants to practice and acquire proper techniques and strategies associated with badminton and pickleball and learn the rules governing both games.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate the rules and strategies pertinent to badminton and pickleball.
- Practice the following racket and paddle strokes: serve, lob, drop, smash, overhead, backhand, forehand, and drive.
- Practice offensive and defensive skills and strategies for both games.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 118 - Volleyball

Credits: 1

Focuses on the fundamentals of volleyball as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with volleyball and learn the rules governing the game.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice the following fundamental skills of volleyball: passing, setting, hitting, serving, and blocking.
- Practice offensive and defensive skills and strategies.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 119 - Intermediate and Advanced Volleyball

Credits: 1

Focuses on intermediate and advanced volleyball skills and strategies. Students practice and acquire intermediate and advanced techniques and skills associated with volleyball.

Enrollment Requirement: P E 118 or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice the following volleyball skills: passing, setting, hitting, serving, and blocking.
- Practice offensive and defensive skills and strategies.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 121 - Badminton

Credits: 1

Focuses on the fundamentals of badminton as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with badminton and learn the rules governing the game.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice the following fundamental skills of badminton: serve, backhand, forehand, high clear, drop shot, and smash.
- Practice offensive and defensive skills and strategies.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 122 - Archery

Credits: 1

Focuses on the fundamentals of archery as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques, strategies, and safety procedures associated with archery and gain knowledge of proper archery etiquette.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice the following fundamental skills of archery: stance, anchoring, bracing the bow, and releasing.
- Practice safety procedures.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 124 - Indoor Soccer

Credits: 1

Focuses on the fundamentals of indoor soccer as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with soccer and learn the rules governing the game. Played in the main gymnasium.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Practice the following fundamental skills of soccer: dribbling, shooting, passing, and clearing.
- Practice offensive and defensive skills and strategies.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 129 - Pickleball

Credits: 1

Focuses on the fundamentals of pickleball as a lifetime leisure activity. Enables the participant to practice and acquire techniques and strategies associated with pickleball and learn the rules governing the game.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 131 - Weight Training

Credits: 2

Focuses on muscular strength and endurance through resistance training with Nautilus and Cybex machines and free weights. Lecture and lab activities focus on safe and effective resistance training principles, basic functional anatomy, muscular strength and endurance, and basic nutrition.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise, wellness choices regarding physical activity, application of basic principles of resistance training, and basic nutritional needs.

- Develop resistance training programs and actively participating in safe and effective activity suitable to their individual goals and the course purpose.
- Evaluate personal health and wellness status. fitness level, and/or physical skill development.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 132 - Strength Conditioning

Credits: 1

Focuses on muscular strength and endurance through resistance training with Nautilus and Cybex machines and free weights. Emphasizes safe and effective resistance training principles and muscular strength and endurance.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the basic principles of resistance training.
- Develop programs and participate in safe and effective weight training activities suitable to their individual goals and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 136 - Yoga 1

Credits: 1

Focuses on Hatha yoga as a lifetime leisure activity. Emphasizes a progressive system of relaxation, movement, and conditioning techniques and a non-dogmatic approach to yoga focusing on flexibility, stretching and relaxing the body and mind.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding relaxation, stretching, and yoga techniques.
- Participate in safe and effective yoga techniques suitable to their individual needs and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 137 - Body Toning

Credits: 1

Focuses on total body conditioning using handheld weights, bands, and exercises set to music. Improves cardiorespiratory endurance, body composition, flexibility, and muscular strength and endurance.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Participate in safe and effective aerobic and resistance activity suitable to their individual needs and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

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P E 138 - Zumba

Credits: 1

Focuses on cardiorespiratory endurance for men and women of all ages using Zumba dance techniques set to music. Develops general endurance of the respiratory and circulatory systems, reduces or maintains body fat levels, and provides knowledge in safe and sound activity principles.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Participate in safe and effective aerobic activity suitable to their individual needs and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 147 - Pilates/Yoga

Credits: 1

Combines Pilates and yoga to focus on training core muscle groups; abdomen, lower back, hips, and buttocks. Focuses on building a stronger, healthier body, and improving posture, circulation, energy and stamina. Emphasizes stretching and relaxing the mind and body.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding participation in physical activity.
- Improve wellness by actively participating in safe and effective pilates and yoga techniques suitable to their individual needs and the course purpose.
- Evaluate personal health and wellness, fitness level, and/or physical skill development.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 148 - CORE Training

Credits: 1

Uses Swiss balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively

challenging the spinal extensors and deep abdominal muscles.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding participation in core training techniques.
- Improve wellness by actively participating in safe and effective core training techniques suitable to their individual needs and the course purpose.
- Evaluate personal health and wellness, fitness level, and/or physical skill development.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 149 - CORE Training for Health

Credits: 2

Uses Swiss balls and free weights (dumbbells) to build core strength and functional fitness. Core training progressively challenges the spinal extensors and deep abdominal muscles. Lecture and lab activities emphasize health benefits, disease prevention, basic nutrition and anatomy, resistance principles, and safe, effective activity techniques.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding participation in core training, disease prevention, and basic nutrition.
- Improve wellness by actively participating in safe and effective core training techniques suitable to their individual needs and the course purpose.
- Evaluate personal health and wellness, fitness level, and/or physical skill development.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 151 - Sport Conditioning

Credits: 2

An individualized, specialized fitness class using aerobic activity (fitness machines/jogging/interval training), anaerobic activity and weight training. Provides training programs and information appropriate for conditioning before, during and after a competitive, intramural or leisure sport season.

Course Fee: \$8.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective aerobic and anaerobic activity suitable to their individual sports and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 158 - Cardio Fusion

Credits: 1

A high-energy group fitness class using a "boot camp" format which promotes cardiorespiratory fitness and muscular strength and endurance. Applies interval training principles using handheld weights, resistance bands, therapy balls, and aerobic exercise set to music. Appropriate for all fitness levels.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Participate in safe and effective physical activity suitable to their individual needs and the course purpose.
- Improve wellness by developing programs and actively participating in physical activity suitable to their individual goals and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 160 - Exercise and Nutrition

Credits: 3

Focuses on cardiorespiratory fitness, resistance training, and nutrition education. Lecture and lab activities include fitness and nutrition, safe and effective principles of activity, healthy food choices, caloric needs and recommendations, micronutrients, macronutrients, phytochemicals, antioxidants, diet and disease, and weight management.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective aerobic activity suitable to their individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.
- Demonstrate an enhanced awareness of nutrition and recognize the role that personal responsibility plays in adopting behaviors and making choices that impact personal well-being.
- Increase knowledge in and understanding of nutrition as it relates to risk factors for disease and the optimal functioning of the individual.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 165 - Exercise and Health

Credits: 3

Focuses on cardiorespiratory fitness, resistance training and disease prevention education. Lecture and lab activities include safe and effective activity principles, benefits of physical activity, and prevention of disease, including cardiovascular disease, cancer, osteoporosis, diabetes, and stroke.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and disease prevention.
- Develop programs and participate in safe and effective aerobic activity suitable to their individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.
- Demonstrate an enhanced awareness of disease prevention and recognize the role that personal responsibility plays in adopting behaviors and making choices that impact personal well-being.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 198 - Independent Study-Physical Education 1

Credits: 1-3

Enables students with a basic knowledge in a discipline to pursue areas of special interest when there is no offering in the regular curriculum.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify information and concepts specific to physical education.
- Clearly communicate in written form.
- Accept class policies and procedures outlined in the course syllabus.
- Turn in assignments and papers on time or be willing to accept the consequences of not doing so.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 201 - Advanced Physical Fitness Lab

Credits: 2

Allows students to continue and advance their health and fitness knowledge and their aerobic activity using treadmills, stationary bicycles, stair climbers, rowing machines, cross-country ski machines, elliptical trainers, arc trainers, and ADA SciFit machine.

Enrollment Requirement: P E 101 or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop and participate in safe and effective aerobic activity suitable to their individual goals and the course purpose.
- Maintain or improve cardio-respiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 202 - Physical Fitness Lab

Credits: 2

Allows students to continue and advance their health and fitness using treadmills, stationary bicycles, stair climbers, rowing machines, cross-country ski machines, elliptical trainers, arc trainers, and ADA SciFit machine.

Enrollment Requirement: P E 201 or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop and participate in safe and effective aerobic activity suitable to their individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 212 - Advanced Jogging

Credits: 2

Allows students to continue and advance their health and fitness through jogging. Students jog on the walking track, campus trails, and through nearby neighborhoods.

Enrollment Requirement: P E 102.

Course Fee: \$8.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective jogging/running activities suitable to their individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 215 - Advanced Aerobic Walking

Credits: 2

Allows students to continue to advance their health and fitness through aerobic walking. Students walk on the campus track, campus trails, and through nearby neighborhoods.

Enrollment Requirement: P E 111.

Course Fee: \$8.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective aerobic walking activities suitable to their individual goals and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 216 - Advanced Karate

Credits: 1

Focuses on advanced techniques of traditional Shito-Ryu karate, traditional Kata (form) and other techniques. Students receive instruction in competition sport techniques, rules, and sparring. Japanese terminology, self-defense and basic techniques, or previous martial arts experience required.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Advance their knowledge and appreciation of the history, tradition, and philosophy of karate.
- Practice and develop advanced skill in blocking, punching, kicking, competition sport techniques, rules, and sparring.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 231 - Advanced Weight Training

Credits: 2

Allows students to continue and advance their health and fitness knowledge and their muscular strength and endurance through resistance training with Nautilus and Cybex machines and free weights.

Enrollment Requirement: P E 131 or instructor consent.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic principles of resistance training, understand basic nutritional needs, and identify major muscles.
- Develop programs and participate in safe and effective weight training activities suitable to their individual goals and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 236 - Yoga 2

Credits: 1

Focuses on Hatha yoga as a lifetime leisure activity. Emphasizes a progressively advanced system of relaxation, movement, and conditioning techniques and a non-dogmatic approach to yoga focusing on flexibility, stretching, and relaxing body and mind. Prior yoga experience required.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding relaxation, stretching, and yoga techniques.
- Participate in safe and effective yoga techniques suitable to their individual needs and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 237 - Advanced Body Toning

Credits: 1

Focuses on use of weights, benches and bands set to music. Allows students to continue to develop muscular strength and endurance, enhance cardio respiratory endurance, reduce or maintain body fat levels, and gain knowledge in safe and effective activity principles.

Enrollment Requirement: P E 137.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Participate in safe and effective physical activity suitable to their individual needs and the course purpose.
- Improve wellness by developing programs and actively participating in physical activity suitable to their individual goals and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.

- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 247 - Advanced Pilates/Yoga

Credits: 1

Allows students to continue their training in Pilates and yoga by training core muscle groups- -abdomen, lower back, hips, and buttocks. Focuses on building a stronger, healthier body, and improving posture, circulation, energy and stamina. Emphasizes stretching and relaxing the mind and body.

Enrollment Requirement: P E 147.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding participation in physical activity.
- Improve wellness by actively participating in safe and effective Pilates and yoga techniques suitable to their individual needs and the course purpose.
- Evaluate personal health and wellness, fitness level, and/or physical skill development.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 248 - Advanced Core Training

Credits: 1

Focuses on utilizing Swiss balls and free weights (dumbbells) to build core strength and functional fitness. Allows students to continue to advance their core fitness by toning the entire body with special emphasis on progressively challenging the spinal extensors and deep abdominal muscles.

Enrollment Requirement: P E 148.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Participate in safe and effective physical activity suitable to their individual needs and the course purpose.
- Improve wellness by developing programs and actively participating in physical activity suitable to their individual goals and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 251 - Advanced Sport Conditioning

Credits: 2

Uses aerobic activity, anaerobic activity, and weight training. Allows students to continue training and gain information appropriate for sport-specific conditioning.

Enrollment Requirement: P E 151.

Course Fee: \$8.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective aerobic and anaerobic activity suitable to their individual sports and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 253 - Advanced Total Physical Fitness

Credits: 3

Emphasizes total body fitness focusing on aerobic activity and resistance training.

Allows students to continue and improve their total physical fitness.

Enrollment Requirement: P E 103.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity, nutrition, weight management/control, body composition, and risk factors for disease.
- Develop programs and participate in safe and effective aerobic and anaerobic activity suitable to their individual needs and the course purpose.
- Maintain or improve cardiorespiratory endurance and body composition.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.

- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 258 - Advanced Cardio Fusion

Credits: 1

Focuses on using a boot camp format which promotes cardio respiratory fitness and muscular strength and endurance. Applies interval training principles using hand-held weights, resistance bands, Swiss balls, and aerobic exercise set to music.

Enrollment Requirement: P E 158.

Course Fee: \$10.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Make wise choices regarding physical activity and training techniques.
- Participate in safe and effective physical activity suitable to their individual needs and the course purpose.
- Improve wellness by developing programs and actively participating in physical activity suitable to their individual goals and the course purpose.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

P E 298 - Independent Study-Physical Education 2

Credits: 1-3

Enables students with basic knowledge in a discipline to pursue areas of special interest when there is no offering in the regular curriculum.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an enhanced understanding of their current knowledge of a physical education subject under the guidance of an instructor.
- Demonstrate an enhanced awareness and understanding of physical activity including safe participation technical proficiency, and skill development.

Program Outcomes

- Participate in academic and physical activities that address various goals of Healthy People 2020. Goals include physical activity, nutrition and weight status, diabetes, heart disease and stroke, and cancer.
- Apply training principles or rules of the sport in fitness- and skill-related classes.
- Identify and/or practice lifetime health and fitness skills that reduce risk of chronic disease and improve or maintain fitness and skill.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Physical Therapist Assistant

PTA 101 - Introduction to Physical Therapy

Credits: 2

Introduces the role of the physical therapist assistant in the practice of physical therapy with emphasis on the history of the profession, clinical practice, being a member of the healthcare team, PT/PTA relationship, ethics and professionalism, laws and regulations.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the mission, policies and strategies to be a successful student in the GRC PTA program.

- Discuss the history of the physical therapy profession.
- Describe and provide examples of the structure and functions of the American Physical Therapy Association (APTA), American Physical Therapy Association of Washington (APTAWA), Commission of Accreditation in Physical Therapy Education (CAPTE), and Federation of State Boards of Physical Therapy (FSBPT).
- Define the roles of the physical therapist and physical therapist assistant in clinical practice.
- Describe and provide examples of the variety of patients and clinical settings in the physical therapy practice.
- Identify the members of the healthcare team and their roles in the patient/client relationship.
- Describe and provide examples of the laws and regulations for the PT and PTA for the provisions of physical therapy in Washington State.
- Describe and provide examples of ethics and professionalism as defined by the APTA.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 102 - Health Professional and Patient Interaction

Credits: 2

Explore personal self-reflection, behaviors and attitudes that can influence the respectful interaction and communication between the health professional and patient relationship across the life span in the delivery of care.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Engage in critical self-reflection.
- Clarify the PTA's role in shaping the health professional and patient relationship.
- Explore effective models of interprofessional communication and collaboration for the delivery of quality and compassionate care.
- Develop awareness of the larger health care and societal contexts in which each relationship takes place.
- Clarification of personal, professional, and societal values which define the complexity of interactions and the unique perspective that a health professional and patient each brings to their relationship.
- Develop effective communication and collaborative skills within the healthcare team.

Program Outcomes

- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 104 - Applied Anatomy

Credits: 3

Covers anatomy of the musculoskeletal system including bony landmarks; origins, insertions, innervation of muscles and fundamentals of clinical kinesiology.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify movements in the cardinal planes.
- Define medical terminology related to positions and locations in the body.
- Explain and apply arthrokinematic principles of motion to synovial joints.
- Define and identify types of muscular contractions.
- Identify prime movers for musculoskeletal movements.
- Define torque and explain 3 types of lever systems and apply these concepts to basic motions.
- Explain the relationship of center of gravity and base of support and how they interact.
- Name and identify the attachments, action and innervation of major muscles.
- Describe ideal posture and alignment of the spine and appendages.
- Identify and describe the role of joint components including: ligament, bursa, tendon, cartilage.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 105 - Patient Care Skills Part I

Credits: 2

Introduction to current best practice and skills related to preparation for patient care, body mechanics, positioning and draping, vital signs, infection control, wounds, emergencies, activities of daily living, and wheelchair features and activities.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$19.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the roles of the PT and PTA in relation to patient care including the plan of care, informed consent, HIPAA, professionalism, communication, basic documentation, evidence-based practice and International Classification of Functioning, Disability and Health (IFC).
- Demonstrate proper body mechanics and posture during patient care to avoid injuries.
- Demonstrate proper patient positioning and draping to maintain proper body function and avoid secondary complications due to immobility and patient comfort and modesty.
- Accurately measure and document temperature, respiratory rate, oxygen saturation, blood pressure, heart rate and pain.
- Perform manual blood pressure assessment with using proper technique and patient positioning.
- Demonstrate standard precautions for infection control which include donning and doffing personal protective equipment (PPE), hand hygiene and set up of sterile field.
- Demonstrate how to maneuver and propel a wheelchair.
- Accurately measure and fit a wheelchair and be able to describe the components of a wheelchair.
- Define and describe the different types of activities of daily living.
- Describe and provide examples of when to modify or cease patient care interventions based on signs and symptoms.
- Describe and provide examples of home and environment assessments.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 106 - Neuroscience

Credits: 2

Introduces neuroscience as it relates to the practice of physical therapy.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and identify the basic structure and function of the brain, spinal cord, and peripheral nervous system.
- Describe the components and paths of the primary somatosensory pathways.
- Describe the components and path of the motor pathways.
- Identify the three sensory mechanisms used in maintaining balance.
- Describe the signs and symptoms of diseases and disorders affecting the nervous system.
- Explain how nervous system dysfunctions affect functional ability.
- Complete sensory testing for primary and cortical sensations.
- Describe testing for selected cranial nerve functions and relate to the associated cranial nerve.
- Describe the signs, symptoms, and likely causes of movement disorders seen with upper and lower motor neuron dysfunction.
- Identify and map the dermatomal and peripheral nerve distributions for the extremities.
- Identify and describe myotomal/key muscle testing for the extremities.
- Describe reflex testing and normal responses.
- Describe testing and the responses/results for cranial nerve functions.
- Describe the signs, symptoms, and likely causes of movement disorders seen with upper and lower motor neuron dysfunction including but not limited to: Parkinson's, cerebellar lesions, CVAs, spinal cord injury, radiculopathy.
- Administer and score standardized functional outcome measures for balance.
- Describe the movement disorders seen with pathology of the basal ganglia and of the cerebellum.

- Define and describe communication disorders and strategies to promote effective patient care.
- Describe the components of the autonomic nervous system and disorders that affect the ANS.
- Recognize signs and symptoms of vestibular disorders.
- Accurately assess with special testing for vestibular disorders.
- Accurately and effectively complete and score tests for coordination and balance disorders.
- Identify the four components used to assess orientation.
- Describe how mental function is assessed.
- Administer and score the Mini Mental Status Examination.

Program Outcomes

- Implement plans of care developed by the PT.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, PTs, and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other care providers using techniques consistent with the level of the audience.
- Function as an integral team member and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 107 - Procedures of Patient Care 2

Credits: 1

Introduction to current best practices and functional skills related to bed mobility, transfer training, assistive devices and gait throughout the continuum of patient care.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$17.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform safe and efficient bed mobility.

- Describe and provide examples of the various levels of assist for mobility, transfers and gait.
- Perform various transfers with efficiency, proper technique and safety.
- Describe and provide examples of how to use various mechanical lifts and other therapeutic devices.
- Selection and fit of appropriate assistive devices.
- Perform efficient and safe techniques for gait training, use of various assistive devices and managing environmental obstacles.
- Perform proper guarding techniques with all mobility.
- Identify safety concerns with all levels of functional mobility.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 110 - Principles of Physical Agents 1

Credits: 1

Introduces practice of external compression and bandaging; length, girth, and volumetric measurement; thermotherapy including superficial heat, cryotherapy and paraffin;

hydrotherapy; wound care and assessment; massage; pulmonary hygiene; cervical and lumbar traction.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze a peer-reviewed journal article.
- Describe the effects of non-thermal and thermal agents in addressing pain and tone.
- Describe the underlying mechanisms behind pain and tone.
- Explain the contraindications, indications, physiology, rationale theory. and therapeutic effects of:
 - a. Cryotherapy;
 - b. Bandaging and external compression to reduce edema and shape soft tissue;
 - c. Hydrotherapy;
 - d. Massage;
 - e. Pulmonary hygiene techniques;
 - f. Superficial thermotherapy;
 - g. Traction.
- Present a research paper.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 111 - Principles of Physical Agents 2

Credits: 3

Covers the study of and application of physical therapy agents including ultrasound, phonophoresis, iontophoresis, electromagnetic radiation, electrotherapy, and biofeedback.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the contraindications, indications, physiology, rationale, theory, and therapeutic effects of electromagnetic radiation.
- Explain the contraindications, indications, physiology, rationale, theory, and therapeutic effects of Electrotherapy including biofeedback.
- Explain the contraindications, indications, physiology, rationale, theory, and therapeutic effects of Iontophoresis.
- Explain the contraindications, indications, physiology, rationale, theory, and therapeutic effects of Laser.
- Explain the contraindications, indications, physiology, rationale, theory, and therapeutic effects of Phonophoresis.
- Explain the contraindications, indications, physiology, rationale, theory, and therapeutic effects of Ultrasound.
- Present an analysis of a peer-reviewed journal article.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 114 - Fundamentals of Tests and Measures

Credits: 3

Covers the role of the physical therapist assistant in collecting subjective data, preparing for treatment, communication skills, performing and developing the skills of collecting objective data, and the clinical reasoning process. These tests and measures include mental functions, components of mobility and function, and musculoskeletal examination.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$6.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the interview process, verbal and nonverbal communication and the uniqueness of each patient and their functional status.
- Describe and provide examples of how to perform a chart review and gather appropriate subjective information and prepare for interventions and data collection.
- Perform goniometry measurements accurately and efficiently of the extremities and document findings.
- Perform safe, efficient and effective manual muscle testing skills in the appropriate position with gravity diminished and against gravity.
- Describe and provide examples of the grading scale for gross muscle testing, manual muscle testing, and muscle length testing.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 115 - Posture, Gait and Movement

Credits: 1

Covers the study of the principles and assessment of posture, the mechanics and assessment of typical and atypical gait, and the function of prostheses and orthoses. Previously PTA 113.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify ideal postural alignment, typical deviations from it.
- Describe observed posture.
- Identify the components of typical human gait.
- Describe the typical human gait cycle.
- Describe atypical gait patterns.
- Identify possible muscular, skeletal and/or neurologic causes of atypical gait patterns.
- For selected lower extremity prosthesis, orthoses and spinal orthoses:
 - Describe their structure.
 - Identify the function of selected components.
- Explain the use and care of these devices to maintain hygiene and skin integrity.
- Identify indications for their use.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 130 - Introduction to Pathology 1

Credits: 2

Introduces normal body structure and function, pathological states and conditions, and underlying concepts of health and disease most commonly seen in the practice of physical therapy throughout the life span. Medical terminology is also introduced. This is part one of a two-part course.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the normal body structures and function and selected pathologies.
- Describe and provide examples of the risk factors and preventative measure of selected diseases and disorders.
- Recognize signs and symptoms associated with a variety of diseases and disorders which include genetic and congenital disorders, oncology and autoimmune disorders.
- Review basic medical terminology with word building and orientation to the body as a whole followed by medical terminology related to specific body systems.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 131 - Introduction to Pathology 2

Credits: 2

Continuation of the principles of pathological states and conditions affecting the major body systems most commonly seen in the practice of physical therapy throughout the lifespan. Medical terminology is continued and coincides with the body systems. Course two of a two-part series.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the structure and function and selected pathologies of the major body systems.
- Describe and provide examples of the risk factors and preventative measure of selected diseases and disorders of the major body systems.
- Recognize signs and symptoms associated with a variety of diseases and disorders of the major body systems.
- Describe and provide examples of basic medical terminology with word building and orientation to the body as a whole followed by medical terminology related to specific body systems.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 151 - Preparation for Clinical Experience

Credits: 1

Introduction and discussion on topics related to physical therapy practice and preparation for clinical experiences. Students will complete clinical requirements and meet deadlines for integrated and terminal clinical experiences. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$40.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Compile required program and clinical requirements for clinical placements.
- Complete HIPAA and AIDS training.
- Review of all required documents for clinical placements.
- Complete student information into the EXXAT database.
- Understand the principles and application of basic documentation.
- Develop a personal and profession plan for clinical experiences.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 160 - Principles of Physical Agents 1 Lab

Credits: 3

The practice of external compression and bandaging; length, girth, and volumetric measure; thermotherapy including superficial heat, cryotherapy and paraffin; hydrotherapy; soft tissue mobilization; pulmonary care; cervical and lumbar traction.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Accurately record girth, length and volumetric displacement measurements.
- Safely and effectively apply superficial thermotherapy.
- Safely and effectively perform mechanical traction.
- Safely and effectively administer mechanical compression and bandaging.
- Perform pulmonary hygiene including assisted coughing and postural drainage, percussion and vibration.
- Effectively perform soft tissue mobilization/therapeutic massage.
- Communicate effectively with patients and/or family members via intervention scenarios.
- Accurately complete SOAP note documentation for given scenarios.
- Modify interventions as needed for safe and effective outcomes.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.

- Transition to successful employment as PTA.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 161 - Principles of Physical Agents 2 Lab

Credits: 3

Practical application of physical therapy agents including ultrasound, phonophoresis and iontophoresis, EM radiation, and electrotherapy.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$21.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate and effectively apply electrotherapy (TENS, NMES, FES, iontophoresis.)
- Select parameters for safe and effective TENS intervention.
- Select parameters for safe and effective US/phonophoresis intervention.
- Demonstrate and effectively apply ultrasound/phonophoresis.
- Document intervention thoroughly with SOAP note format.
- Modify physical agents interventions safely and effectively.
- Demonstrate and effectively apply EM spectrum agents, including diathermy, biofeedback and laser.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.

- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 163 - Posture, Gait and Movement Lab

Credits: 2

Provides laboratory experiences related to the assessment of posture and gait and the function of prostheses and orthoses.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$14.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate ideal postural alignment.
- Document observed posture.
- Identify the components of typical human gait.
- Describe the typical human gait cycle.
- Describe and demonstrate atypical gait patterns.
- Implement the use of lower extremity prostheses and orthoses and spinal orthoses.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.

- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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PTA 164 - Applied Anatomy Lab for PTA

Credits: 3

Application of anatomy of the musculoskeletal system including bony landmarks; origins, insertions, innervation of muscles and fundamentals of clinical kinesiology.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify movements in the cardinal planes.
- Use correct medical terminology to identify positions and locations in the body.
- Explain and apply arthrokinematic principles of motion to synovial joints.
- Identify types of muscular contractions during movements.
- Identify prime movers for musculoskeletal movements.
- Define torque and explain 3 types of lever systems and apply these concepts to basic motions.
- Explain the relationship of center of gravity and base of support and how they interact.
- Identify and palpate major bony landmarks and muscles for the main joints.
- Describe and identify ideal posture and alignment of the spine and appendages.
- Describe the role of an isolated peripheral nerve on overall motor function.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.

- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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PTA 166 - Neuroscience Lab

Credits: 2

Application of the skills and knowledge in neuroanatomy and neurology as it relates to motor control and physical therapy.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$23.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Perform selected procedures to gather data, score responses, and provide interventions related to the sensory system.
- Perform selected procedures to gather data, score responses, and provide interventions related to the motor system including myotomal testing and reflex testing.
- Perform selected procedures to gather data, score responses, and provide interventions related to cognition and mentation.
- Perform selected procedures to gather data, score responses, and provide interventions related to coordination.
- Perform selected procedures to gather data, score responses, and provide interventions related to balance.

- Perform selected procedures to gather data, determine responses, and provide interventions related to the vestibular system.
- Identify and map the distribution of sensory peripheral nerves and dermatomes for the extremities.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 199 - Independent Study-Physical Therapy

Credits: 1-8

Students may participate in an in-depth study of specific areas of physical therapy through library research, field investigation, experience in selected activities, or structured clinical activity under instructor guidance. Maximum of eight credits.

Enrollment Requirement: Instructor consent.

PTA 201 - Current Trends in Physical Therapy Practice

Credits: 2

Study of current trends in the business of physical therapy and clinical education. Discussion of various topics related to healthcare, billing practices, documentation, legal and ethical issues, professionalism and career development.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss current topics related to healthcare, reimbursement and documentation.
- Discuss legal and ethical issues and ramifications of actions in physical therapy.
- Discuss and describe common physical therapy business practices.
- Describe and provide examples of professionalism in the workplace and clinical setting.
- Discuss and apply strategies to deal with challenges in healthcare.
- Prepare for terminal clinical experiences.
- Explore career development.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 205 - Functional Training

Credits: 3

Covers the study of and application of functional training techniques used in the treatment of physical dysfunction and evidence-based practice.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$15.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the effect of hemiplegia and lower extremity amputation on functional abilities and selection of rehabilitation techniques across generations.
- Identify functional expectations for trans-femoral and trans-tibial amputees within their lifespan.
- Instruct a patient and caregiver in ADLs including bed mobility, transfers, gait and wheelchair use and basic self-care.
- Instruct a patient and caregiver in developmental activities as part of functional training program and progress those activities to achieve a stated goal.
- Demonstrate safe and effective guarding techniques when instructing individuals in functional activities.
- Instruct patient/caregivers in safe and effective performance of functional activities.
- Identify barriers to patient safety and safety awareness.
- Administer a standard instrument to determine ADL and functional levels.
- Identify appropriate adaptive devices and instruct an individual in their use and care.
- Implement a progressive mobility program for a lower extremity amputee.
- Identify the effect of phantom limb pain on functional performance and outcomes through a patient's lifespan.
- Identify and determine stages of pressure ulcers.
- Describe positioning to prevent pressure ulcers, bony prominences that are at risk of pressure ulcers.
- Evaluate and apply a peer reviewed literature article based on current trends within physical therapy treatment of hemiplegia and/or the lower extremity amputee across patient generations and apply to physical practice.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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PTA 210 - Therapeutic Exercise

Credits: 2

Focuses on theory and principles of therapeutic exercise and selected kinesiology and neurologic principles related to therapeutic exercise.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the rationale, indications and contraindications for therapeutic exercise and its parameters including: PROM, AROM, stretching, mobilization, strengthening, aerobic exercise, aquatic exercise, balance and proprioception, PNF.
- Describe the exercise progression sequence (of mobility, stability, controlled mobility, skill) and apply it to patient care.
- Identify and describe the, indications and precautions/contraindications for therapeutic exercise including: PROM, AROM, stretching, mobilization, strengthening, aerobic exercise, aquatic exercise, balance and proprioception, PNF.
- Appropriately modify an exercise session based on patient response.
- Educate a patient or family member on a home exercise program.
- Document the implementation of exercises interventions including exercise instruction consistent with defensible professional documentation guidelines from the APTA.
- Compare and contrast types of ROM exercises (active, active assistive, passive, self, mobilization), including indications, goals, parameters, contraindications & precautions, limitations & benefits.
- Compare and contrast exercise programs designed to address strength, endurance and power.
- Calculate and determine the target heart rate for a given patient scenario.
- Recognize and identify the normal and abnormal responses to aerobic exercise.

Program Outcomes

- Implement plans of care developed by physical therapists.

- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 211 - Neurological Rehabilitation

Credits: 2

Focuses on procedures and techniques applied to the treatment of specific impairments primarily of neurologic origin.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the role of physical therapy in the treatment of:
 - spinal cord injuries (SCI);
 - traumatic brain injuries (TBI);
 - cerebrovascular accidents (CVAs);
 - cerebral palsy and selected pediatric conditions;
 - selected neurologic disorders.
- Describe the therapeutic interventions directed at adults and children with neuromuscular dysfunctions.
- Describe and apply the principles of motor learning and motor control theories and gather data relating to an individual's motor control level.

- Describe and provide examples of the PTA role as a mandatory reporter in the suspected cases of abuse of vulnerable populations.
- Implement the ICF to describe patient status as it relates to neurorehabilitation.
- Implement the neurological assessment scale of mental function in therapeutic intervention with the neuro population.
- Describe spasticity, describe muscle tone, and select interventions to address abnormal tone.
- Describe normal motor milestones and use the development sequence in therapeutic interventions.
- Describe and identify righting and equilibrium reactions.
- Thoroughly interview patients/caregivers regarding prior level of function and present health conditions.
- Educate patients and caregivers regarding interventions.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Transition to successful employment as PTA.

College-wide Outcomes

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PTA 212 - Acute Care

Credits: 1

Explores physical therapy in acute care settings including cardiac care, pulmonary care, burn care and geriatrics.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the role of physical therapy care in acute care, wound care, cardiac care, and geriatrics.
- Describe evidence based physical therapy interventions to address specific patient situations including:
 - mobilizing patients in critical care
 - airway clearance techniques

- wound management interventions
- conducting cardiac rehabilitation exercises
- post-op surgery and pulmonary precautions
- Describe the physiology and pathophysiology of selected disease processes, typical physiologic responses to treatment, and contraindications to treatment.
- Demonstrate safe equipment handling and usage.
- Participate in medical record review, documentation and interdisciplinary communication.
- Identify and select appropriate patient education strategies.
- Describe population demographics including variety of patient values and preferences and the impact on the healthcare system.
- Describe pharmacological interventions as they relate to physical therapy.
- Identify thoracoabdominal movements and breathing patterns during activities.
- Interview patient and/or caregivers regarding prior level of function and present health conditions.
- Instruct patient and family/caregivers in an effective home program
- Understand and implement a documented plan of care in relation to acute care.
- Assess the physiological response to activity via observation and vital signs.
- Describe the presentation of patients with COPD, asthma, and restrictive lung disease.
- Incorporate pain management strategies into the physical therapy intervention plan.
- Accurately document an intervention session in acute care.
- Demonstrate correct universal precautions, infection control procedures, isolation techniques, and wound management interventions.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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PTA 213 - Orthopedic Physical Therapy

Credits: 2

Explores orthopedic pathology and common diagnostic procedures. Covers the study of therapeutic comprehensive intervention exercise, manual techniques, and principles of tissue healing in relationship to orthopedic conditions encountered in the practice of physical therapy.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$12.00

Course Outcomes:

Students who successfully complete this class will be able to:

- State the general guidelines, precautions/contraindications for treatment of selected orthopedic conditions and surgical interventions.
- Select and perform a comprehensive orthopedic intervention program, including progression, when given a protocol, plan of care or treatment goals.
- Educate a patient or family member in a home portion of an intervention plan.
- Select and perform selective orthopedic screening tests/tools and document findings.
- Describe typical tissue healing times and phases of healing.
- Discuss the rationale for post-operative precautions.
- Describe rationale for selected orthopedic interventions and the expected response.
- Describe the presentation, pathology, and impairments of common orthopedic conditions such as osteo arthritis, tendinitis/osis, sprains, dislocations, fractures.
- Describe how tissue irritability and staging influences intervention selection and intensity.
- Document an intervention session of orthopedic PT using SOAP note format.
- Develop a home program and instruct the patient in the program.
- State principles of ergonomics, make modifications for optimal ergonomics.
- Apply principles of pain science to treat individuals with chronic pain or pain sensitization.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.

- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 220 - Pediatric Rehabilitation

Credits: 1

Focuses on procedures and techniques applied to the treatment of specific impairments in a pediatric population.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the role of physical therapy in the treatment of cerebral palsy and selected pediatric conditions.
- Describe the evidence based therapeutic interventions directed at children with neuromuscular dysfunctions.
- Describe and apply the principles of motor learning and motor control theories and gather data relating to an individual's motor control level.
- Understand the PTA role as a mandatory reporter in the suspected cases of abuse of vulnerable populations.
- Implement the ICF to describe patient status as it relates to neurorehabilitation.
- Identify spasticity, muscle tone, and interventions for abnormal tone.

- Describe normal motor milestones and be able use the development sequence in therapeutic interventions.
- Describe and identify righting and equilibrium reactions.
- Interview patients/caregivers regarding prior level of function and present health conditions.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PTA 221 - Pediatric Rehabilitation Lab

Credits: 1

Practice of procedures and techniques applied to the treatment of specific impairments in a pediatric population.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$13.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe, develop, implement, and progress comprehensive interventions per plan of care as identified by the Physical Therapist in cerebral palsy and selected pediatric conditions.
- Teach a prescribed intervention effectively and safely.

- Apply the principles of motor learning and motor control theories and gather data relating to an individual's motor control level.
- Demonstrate ventilation strategies and secretion management for neuro impairments.
- Implement the International Classification of Functioning, Disability, and Health (ICF) to describe patient status as it relates to neurorehabilitation.
- Demonstrate the ability to monitor and adjust therapeutic interventions in response to changes in patients' status, and to communicate appropriately with the supervising Physical Therapist.
- Implement pediatric outcome measure reports as completed by the Physical Therapist to guide treatment interventions in the pediatric population.
- Safely implement therapeutic interventions for those with neuromuscular dysfunction per the Physical Therapist Plan of Care including:
 - Principles of facilitation and inhibition techniques using Proprioceptive Neuromuscular Facilitation (PNF)
 - Facilitation of the developmental sequence, and apply development sequence to the progression of treatment plans
 - Principles of facilitation and inhibition techniques using Neurodevelopmental Treatment Approach (NDT)
- Application of assistive adaptive equipment
- Improvement of balance and gait
- Interview patients/caregivers regarding prior level of function and present health conditions.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

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PTA 251 - Clinical Education 1

Credits: 1

Preparation for integrated clinical experience with discussions and the development of skills to participate and gain hands-on experience in the clinical setting. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the clinical placement process.
- Complete all program and clinical requirements to attend the integrated clinical experience.
- Discuss various topics related to being part of the healthcare team in a variety of settings.
- Completion of required assessments and documentation of clinical site and clinical instructor within the EXXAT database.
- Demonstrate communication skills and professionalism with clinical sites and clinical instructors.
- Self-evaluation of clinical performance by the use of the CIET.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 252 - Clinical Education 2

Credits: 2

Final preparation for terminal clinical experiences and completion of program requirements. Students will participate in online discussions regarding current topics and issues related to physical therapy practice, patient interaction, self-reflection and self-evaluation of clinical experiences and development of skills for licensure and future employment. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and provide examples of the PT/PTA relationship and being a member of the healthcare team.
- Develop professional communication skills for patient and clinical instructor interaction.
- Describe and provide examples of the legal, ethical and fiscal implications in physical therapy practice.
- Identify their own strengths and weaknesses for professional development based on experiences in PTA 278, PTA 279 and PTA 280.
- Self-evaluate clinical performance by the use of the CIET.
- Prepare for the licensure exam.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.

- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 253 - Clinical Education 3

Credits: 1

Provides supervision to students completing full-time clinical affiliations. Students present and suggest solutions for clinical problems encountered, identify appropriate resources for problem resolution, and complete a final program examination in preparation for the licensure examination. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Contribute to an online discussion about identified topics within the clinical setting, which include but are not limited to:
 - a. impact of cultural and socioeconomic difference,
 - b. documentation procedures and standards, and
 - c. physical therapy delivery system and practice management in the clinical site.
 - d. involvement in inter-professional practice.
- Complete the assigned practice exam in preparation for licensure.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTA.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 260 - Therapeutic Exercise Lab

Credits: 3

Practice of therapeutic exercise and selected kinesiological and neurologic principles related to therapeutic exercise.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$16.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Implement passive, active, assistive, active and resisted exercises.
- Implement selected prescribed exercise programs.
- Instruct the patient and/or family members in carrying out exercise programs.
- Identify and implement exercise, using a variety of techniques and apparatus, to accomplish a stated therapeutic goal and describe the reasons for selecting a specific exercise.

- Demonstrate the ability to progress an exercise program within a treatment plan.
- Instruct a patient in an aerobic training program and monitor the patient during aerobic exercise.
- Determine a target heart rate for an aerobic training program for a healthy individual.
- Describe the exercise progression sequence (of mobility, stability, controlled mobility, skill) and apply it to patient care.
- Identify and describe the indications and precautions/contraindications for therapeutic exercise including: PROM, AROM, stretching, mobilization, strengthening, aerobic exercise, aquatic exercise, balance and proprioception, PNF.
- Educate a patient or family member on a home exercise program.
- Document the implementation of exercises interventions including exercise instruction consistent with defensible professional documentation guidelines from the APTA.
- Compare and contrast types of ROM exercises (active, active assistive, passive, self, mobilization), including indications, goals, parameters, contraindications & precautions, limitations & benefits.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 261 - Neurological Rehabilitation Lab

Credits: 3

Apply, implement and discuss neurological interventions/techniques to address neurological impairments and diseases/injuries.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$14.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe, develop, implement and progress comprehensive interventions per the plan of care as identified by the Physical Therapist in the following:
 - spinal cord injuries (SCI)
 - traumatic brain injuries (TBI)
 - cerebrovascular accidents (CVA)
 - selected neurological disorders
- Teach a prescribed intervention effectively and safely to a patient/family member/caregiver.
- Apply the principles of motor learning and motor control theories and gather data relating to an individual's motor control level.
- Demonstrate ventilation strategies and secretion management for neuro impairments.
- Implement the ICF to describe patient status as it relates to neurorehabilitation.
- Demonstrate the ability to monitor and adjust therapeutic interventions in response to changes in patients' status, and to communicate appropriately with the supervising PT.
- Use of neurological assessment scale of mental function in therapeutic intervention with the neuro population.
- Safely implement therapeutic interventions for those with neuromuscular dysfunction per the Physical Therapist Plan of Care including:
 - Principles of facilitation and inhibition techniques using Proprioceptive Neuromuscular Facilitation (PNF)
 - Facilitation of the developmental sequence, and apply development sequence to the progression of treatment plans
 - Principles of facilitation and inhibition techniques using Neurodevelopmental Treatment Approach (NDT)
 - application of assistive adaptive equipment
 - application of the principles of Functional Training and Task Oriented Strategies. This is to include the most recent treatment approach for neuro.
 - improvement of balance and gait addressing atypical development
- Interview patients/caregivers regarding prior level of function and present health conditions.

Program Outcomes

- Implement plans of care developed by physical therapists.

- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 262 - Acute Care Lab

Credits: 2

Practice, discuss, implement and modify techniques encountered in the practice of physical therapy in acute care settings, including cardiac care, pulmonary care, burn care, skin care, post-operative conditions, and geriatrics.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$9.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate and modify/progress evidence based physical therapy interventions to address specific patient situations including:
 - mobilizing patients in critical care
 - airway wound techniques
 - conducting cardiac rehabilitation exercises
 - post-op surgeries and pulmonary precautions
- Demonstrate safe equipment handling.
- Demonstrate correct universal precautions, infection control procedures, isolation techniques, and wound management techniques.

- Apply and remove dressings and/or agents.
- Identify precautions for dressing removal.
- Describe and demonstrate how to establish and maintain a sterile field
- Participate in medical record review, documentation and interdisciplinary communication.
- Implement patient education strategies, including instruct patients and families in appropriate activities for safe discharge.
- Assess the physiological response to activity via observation and vital signs.
- Incorporate pain management strategies into the physical therapy intervention plan.
- Accurately document an intervention session in an acute care setting.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PTA 263 - Orthopedic Therapy Lab

Credits: 3

The study of therapeutic exercise, manual techniques, principles of tissue healing, orthopedic pathology and common diagnostic procedures in relationship to orthopedic conditions encountered in the practice of physical therapy.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$34.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Select, develop, implement and modify progress comprehensive physical therapy interventions per plan of care per PT evaluations.
- Select, implement, and instruct the patient in strengthening, stretching, and ROM programs for stated muscle groups/joints of the spine and extremities using manual and/or mechanical forces.
- Select, develop, implement and progress programs for the spine and extremities when given a protocol, plan of care or treatment goals.
- Implement selected manual techniques for the extremities and spine.
- Utilize screening tools to gather data about muscle groups/joints comprehensive intervention.
- State and incorporate the general guidelines, precautions/contraindications for treatment of selected orthopedic conditions and surgical interventions.
- Select and Perform a comprehensive orthopedic intervention programs, including progression, when given a protocol, plan of care or treatment goals.
- Educate/instruct a patient or family member in a home portion of an intervention plan.
- Select and perform selective orthopedic screening tests/tools and document findings.
- Recognize the presence of post-operative precautions and incorporate into intervention.
- Describe rationale for selected orthopedic interventions and the expected response.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PTA 278 - Clinical Experience 1

Credits: 3

Supervised integrated clinical experience to introduce the student in the practice of physical therapy. Students are expected to actively participate in hands-on patient care, apply current knowledge and skills from coursework and build confidence within the clinical setting. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate effective and professional communication skills.
- Adhere to legal and ethical standards.
- Demonstrate the ability to perform selected therapeutic interventions under the supervision of the clinical instructor.
- Participate and complete documentation and billing practices.
- Demonstrate the ability to follow policies and procedures delineated by the GRC PTA and clinical sites.
- Participate safely and effectively within the clinical setting as determined by the clinical instructor.
- Complete the Clinical Internship Evaluation Tool (CIET) on Professional Behaviors and Patient Management based on the skills of a competent clinician.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.

- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

PTA 279 - Clinical Experience 2

Credits: 6

Terminal clinical experience requiring practical performance and application of physical therapy procedures and techniques within the breadth and depth of the selected clinical setting under the supervision of the clinical instructor. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate effective and professional communication skills.
- Adhere to legal and ethical standards.
- Demonstrate the ability to perform selected therapeutic interventions safely and effectively under the supervision of the clinical instructor.
- Participate in and complete documentation and billing practices.
- Demonstrate the ability to follow policies and procedures delineated by the GRC PTA and clinical sites.
- Participate safely and effectively within the clinical setting as determined by the clinical instructor.
- Complete the CIET on Professional Behaviors and Patient Management and become independent based on the skills of a competent clinician.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PTA 280 - Clinical Experience 3

Credits: 7

Terminal clinical experience requiring practical performance and application of physical therapy procedures and techniques within the breadth and depth of the selected clinical setting under the supervision of the clinical instructor. This is a pass/no credit course.

Enrollment Requirement: Acceptance into PTA program.

Course Fee: \$35.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate effective and professional communication skills.
- Adhere to legal and ethical standards.
- Demonstrate the ability to perform selected therapeutic interventions safely and effectively under the supervision of the clinical instructor.
- Participate in and complete documentation and billing practices.
- Demonstrate the ability to follow policies and procedures delineated by the GRC PTA and clinical sites.
- Participate safely and effectively within the clinical setting as determined by the clinical instructor.
- Complete the CIET on Professional Behaviors and Patient Management and become independent based on the skills of a competent clinician.

Program Outcomes

- Implement plans of care developed by physical therapists.
- Provide care in a safe, legal and ethical manner.
- Communicate effectively and appropriately with patients, families, physical therapists and other care providers both verbally and non-verbally including accurate written communication and documentation.
- Instruct patients, families and other health care providers using techniques consistent with the level of the audience.
- Function as integral team members and participate in the team process.
- Transition to successful employment as PTAs.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Physics**PHYS& 110 - Physics Non-Science Majors with Lab**

Credits: 5

For the student with no previous experience in physics or other physical science courses and even an apprehension toward science and math. Topics such as light, sound, electricity, and motion, are used to develop underlying principles which describe some of our physical universe. Stresses conceptual reasoning while mathematics is limited to arithmetic reasoning. Uses a hands-on approach to more easily gain insight to the concepts being studied.

Enrollment Requirement: Eligible for ENGL& 101.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$18.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, with respect to experimental design and inference in physics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, with respect to experimental design and inference in physics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS& 114 - General Physics I with Lab

Credits: 5

For students in technical and transfer programs. Course goals are to further develop an understanding of basic concepts of physics and analytical and problem-solving skills. Laboratory is an integral component of the course. Covers the ideas of motion, forces, momentum and energy from within the framework of Newton's Laws. No credits given to students who have completed PHYS 154.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in MATH 97; or a grade of 2.0 or higher in 1-1/2 years of high school algebra.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using algebraic methods in Newtonian mechanics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using algebraic methods in Newtonian mechanics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS& 115 - General Physics II with Lab

Credits: 5

Continues the goals of PHYS& 114. Course is based on concepts involving thermal properties of matter, and electricity and magnetism. Teaches the properties of fluids as time permits.

Enrollment Requirement: Eligible for ENGL& 101; and a grade of 2.0 or higher in PHYS& 114 and in MATH 97; or 1-1/2 years of high school algebra.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using algebraic methods in the study of thermal properties of matter, electricity, and magnetism.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using algebraic methods in the study of thermal properties of matter, electricity, and magnetism.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS& 116 - General Physics III with Lab

Credits: 5

Continues the goals of PHYS& 115. Explores the concepts associated with wave phenomena and atomic physics. Uses sound, light (including lasers) and mechanical

vibrations as examples of waves.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 115 and MATH 97, or 1-1/2 years of high school Algebra.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using algebraic methods in the study of magnetism, waves, oscillations, and modern physics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using algebraic methods in the study of magnetism, waves, oscillations, and modern physics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 154 - Physics for the Life Sciences 1

Credits: 5

For students in college transfer programs. Course goals are to further develop an understanding of basic concepts of physics and analytical and problem-solving skills with applications to biological systems. Laboratory is an integral component of the course. Covers the ideas of motion, forces, momentum and energy from within the framework of Newton's Laws. No credit given to students who have completed PHYS& 114.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in MATH 97 or 1-1/2 years of high school Algebra.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using algebraic methods in Newtonian mechanics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using algebraic methods in Newtonian mechanics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 155 - Physics for the Life Sciences 2

Credits: 5

For students in college transfer programs, especially those interested in biological or medical sciences. Course develops an understanding of the basic concepts of physics and analytical and problem solving skills with applications to biological systems.

Laboratory is an integral component of the course. Teaches the principles of energy flow and conservation, along with electricity with biological and medical applications. No credit given to students who have completed PHYS& 115.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 114 or PHYS 154 and in either MATH 97 or 1 1/2 years of high school Algebra.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using algebraic methods in the study of thermal properties of matter, electricity, and magnetism.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using algebraic methods in the study of thermal properties of matter, electricity, and magnetism.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 156 - Physics for the Life Sciences 3

Credits: 5

Course develops an understanding of the basic concepts of physics and analytical and problem solving skills with applications to biological systems. Laboratory is an integral component of the course. Teaches the dynamics of oscillations, waves, electromagnetism, and light with biological and medical applications. No credit given to students who have completed PHYS& 116.

Enrollment Requirement: PHYS& 115 or PHYS 155 with a grade of 2.0 or higher; eligible for ENGL& 101; and a grade of 2.0 or higher in either MATH 97; or 1 1/2 years of high school algebra.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using algebraic methods in the study of magnetism, waves, oscillations, and modern physics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using algebraic methods in the study of magnetism, waves, oscillations, and modern physics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS& 221 - Engineering Physics I with Lab

Credits: 5

Includes a detailed study of the basic laws of physics. Emphasizes the evolution of ideas from experimental observation to mathematical models. Includes a comprehensive investigation of Newtonian particle dynamics. Laboratory is an integral part of the course.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 114 or in a high school physics, or equivalent, and in MATH& 142 or equivalent with concurrent enrollment or completion in MATH& 151.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using elements of calculus and mathematical models to develop a comprehensive investigation of Newtonian particle dynamics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using elements of calculus and mathematical models to develop a comprehensive investigation of Newtonian particle dynamics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS& 222 - Engineering Physics II with Lab

Credits: 5

Applications of Newtonian Physics to energy, momentum, and extended bodies, as well as the study of electro-magnetic theory. Course develops ideas from experimental observation to a mathematics model. Laboratory is an integral part of the course.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 221 and MATH& 151 and at least concurrent enrollment in MATH& 152.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using differential and integral calculus to develop a comprehensive investigation of rotation, electricity, and circuits.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using differential and integral calculus to develop a comprehensive investigation of rotation, electricity, and circuits.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS& 223 - Engineering Physics III with Lab

Credits: 5

Study of classical wave properties with applications to mechanical and electrical systems, sound, electromagnetic waves, light, and atomic physics.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 222 and MATH& 152 and at least concurrent enrollment in MATH& 163.

Satisfies Requirement: Natural Science or Lab Science

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using differential and integral calculus to develop a comprehensive investigation of rotation, electricity, and circuits.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using differential and integral calculus to develop a comprehensive investigation of rotation, electricity, and circuits.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 225 - Modern Physics

Credits: 3

Fourth quarter general physics sequence course for science and engineering students. Serves as a terminal course for non-physics majors and gives students a good conceptual background for the study of quantum mechanics. Emphasizes a thorough study of phenomena that cannot be explained with ideas from classical physics.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 222 and MATH& 152 and at least concurrent enrollment in PHYS& 223 and MATH& 163.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using elements of calculus and mathematical models to develop a comprehensive investigation of modern physics.

- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using elements of calculus and mathematical models to develop a comprehensive investigation of modern physics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 229 - Electric and Magnetic Fields

Credits: 2

Introduces the quantitative laws of electricity and magnetism including principles of electromagnets, electric generators, and electromagnetic waves.

Enrollment Requirement: Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 222 and MATH& 152 and at least concurrent enrollment in MATH& 163 and PHYS& 223.

Satisfies Requirement: Natural Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using differential and integral calculus to develop a comprehensive investigation of electromagnetic fields.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using differential and integral calculus to develop a comprehensive investigation of electromagnetic fields.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 230 - Undergraduate Research

Credits: 5

Gives students the experience of doing research in a cutting edge field. Students read relevant literature, pose a question, state a hypothesis, plan and perform experiments to test their hypothesis. Students work in teams and present their work to their peers. The culmination of the project would be a written paper modeled after a journal article.

Enrollment Requirement: Eligible for ENGL& 101; and a grade of 2.0 or higher in PHYS& 222 and MATH& 152; and at least concurrent enrollment in MATH& 163 and PHYS& 223.

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Ask a research question, carry out experiments, analyze data, make decisions, formulate solutions, to develop and carry out a comprehensive and independent investigation of an advanced topic in physics.
- Give reasons for choice of research question, assumptions, hypotheses, data analysis and conclusions while developing a comprehensive and independent investigation of an advanced topics in physics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PHYS 298 - Independent Study-Physics

Credits: 1-5

Students contract with an instructor to study topics not part of a regular class. Topics must be in physics or related fields.

Enrollment Requirement: One year of physics and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions, using calculus to develop a comprehensive and independent investigation of advanced topics in physics.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses, using calculus to develop a comprehensive and independent investigation of advanced topics in physics.

Program Outcomes

- Use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- Give reasons for conclusions, assumptions, beliefs, and hypotheses.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Political Science

POLS& 101 - Introduction to Political Science

Credits: 5

Explores politics as systems of ideologies, processes, and institutions. Offers an overview of basic political science concepts, theories, and methods and introduces central political issues and debates. As a survey course, it provides a broad overview of the discipline and key political science approaches to studying politics.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and apply key political science concepts to contemporary political events and institutions.
- Identify and apply key political science approaches and theories.
- Identify, analyze and critique key political ideologies.
- Understand the differences between normative and positive political analysis.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS 194 - Special Topics-Political Science

Credits: 5

An in-depth study of specific topics in political science or direct involvement in a politically-oriented project. May be in a seminar format or be research focused.

Enrollment Requirement: Eligible for ENGL 99 and instructor consent for individual research projects.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Achieve an in-depth understanding of a specific topic or area of political activity.
- Demonstrate honed research skills.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS& 200 - Introduction to Law: United States

Credits: 5

Introduction and overview of the legal system and processes in the United States through an examination of several substantive areas of law. Includes an introduction to legal procedure, business ethics, jurisdiction, Constitutional law, criminal and civil law, torts and negligence, product liability, and property. Provides an overview of the Courts and looks at law as a framework in which claims are resolved. Uses a case method approach which utilizes a critical thinking perspective.

Enrollment Requirement: Eligible for ENGL 99.

Satisfies Requirement: Social Science

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Display a working knowledge of the functions of law in society, and the factors that affect the evolution of laws over time.
- Demonstrate an awareness of the fundamental concepts of criminal and civil law, torts, civil procedure, agency, and property, and how they fit under the umbrella of historical common law and Constitutional principles
- Distinguish the differences between civil and criminal law.
- Demonstrate an ability to concisely articulate the specific holdings and reasoning in given assigned cases.
- Apply legal reasoning to evaluate the merit of particular legal arguments, legal disputes, and court decisions.

Program Outcomes

Recognize and use critical thinking elements and standards as they apply to the study of legal content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS& 201 - Introduction to Political Theory

Credits: 5

Provides an introduction to the study and nature of politics. This course explores key political concepts, such as liberty, equality, justice, authority, power, and identity. Political theory engages with the foundations of political community and institutions as a way to encourage a responsible and politically active citizen.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize key concepts in political theory.
- Distinguish competing conceptions of liberty, equality and the good life in various theories of justice.
- Apply theories of justice to specific policy issues.
- Identify forms of citizen participation in contemporary political decision making.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS& 202 - United States Government

Credits: 5

Introduces students to the study of the United States political system. Explores United States political development, key political actors, formal and informal political institutions, means of citizen participation, and the analysis of political processes and outcomes. Examines key theories, concepts, and approaches for studying of United States Politics.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain and analyze the origins and evolution of the United States political system.
- Demonstrate critical understanding of principal political institutions in the United States.
- Demonstrate command of key concepts and theories used in the study of United States politics.
- Articulate and explain salient issues in United States politics.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS& 203 - International Relations

Credits: 5

A broad overview of international relations. Explores key theoretical approaches and concepts for studying international politics. Examines a host of central issues in international relations including: the evolution of the state system, international cooperation and conflict, international political economy, and international institutions and organizations.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain and analyze the origins and evolution of the state system and international politics.
- Demonstrate command of key concepts and theories used in the study of international relations.
- Demonstrate critical understanding of principal actors, international institutions, and organizations.
- Articulate and explain salient issues and key debates in international relations.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS& 204 - Comparative Government

Credits: 5

A comparative analysis of politics and types of governing systems around the globe (e.g., democratic, authoritarian, theocratic, parliamentary, presidential). Examines power relationships (e.g., race, ethnicity, religion, sex) and citizen rights. Explores and analyzes the political issues and problems in their international, historical, economic, and cultural contexts.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe selected political systems in the world.
- Demonstrate command of key concepts and theories used in the study of comparative politics.
- Employ the basic methodologies for carrying out comparative politics research and analysis.
- Understand the power relationships (e.g., race, ethnicity, religion, sex) within the differing political systems.
- Demonstrate competence in understanding political cultural differences across the globe.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS 207 - American Political Participation

Credits: 5

Considers the causes and consequences of various forms of American political participation. Focuses on elections, social movements, and political violence while considering representation and citizenship. Through examination of qualitative and quantitative methods, students will investigate democratic theories in historical and current political discourse.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand key features of American democracy.
- Understand the power relationships that frame political participation as determined or influenced by diverse histories, genders, races, ethnicities, and religions.
- Identify major political ideologies and contemporary political issues.
- Specify the main methods for mass political participation (voting/electioneering, social movements, civil disobedience, and political violence).
- Understand the role mass political participation plays in shaping the political system, and the outcomes of this system.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS 209 - State and Local Government Politics

Credits: 5

Explores and analyzes histories, structures, processes, policies, administration, and

politics of state and local governments. Washington state receives close attention. Explores interest groups, lobbying, campaign finance, electoral politics, policy development and implementation, legislatures, executives, judiciary systems, ballot measures, political personalities, and intergovernmental relations. Students engage current political issues.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the roles and responsibilities of states and local governments in our federal system.
- Understand the power relationships between local governments, states, and our national government.
- Understand the unique role of tribal governments in the United States political system.
- Explain the basic history of Washington State including its creation and evolution.
- Demonstrate command of key concepts and theories used in the study of state and local government and politics in the United States.
- Articulate current political issues in state and local government.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS 225 - The Arab-Israeli Conflict

Credits: 5

Explores the Arab-Israeli conflict from its inception until the present. Examines key

political processes in the development and persistence of the conflict. Investigates the conflict while applying key political science concepts including: state and institution building, inequality, human rights, ethnic conflict, nationalism, development, and conflict management.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain and analyze the origins and evolution of the Arab-Israeli conflict.
- Identify key trends, developments, and actors in the Arab-Israeli conflict.
- Apply key concepts in political science to various aspects of the Arab-Israeli Conflict.
- Articulate and explain salient narratives and key debates concerning the Arab-Israeli Conflict.
- Identify the role European colonialism played in shaping and sustaining the conflict.
- Explain ethnically motivated patterns of marginalization, discrimination, and violence that have generated, sustained, resulted from the conflict.
- Demonstrate a strong intercultural knowledge regarding diverse ethnic, religious, and political groups across the Middle East.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

POLS 250 - Immigration, Refugees, and Citizenship

Credits: 5

Immigration, refugee, and citizenship policies are hot button topics across the world. This class introduces students to key debates, research, and theories around these issues. We will explore why people immigrate, immigration and asylum policies, anti-

immigrant sentiment and groups, undocumented immigration and border security, migrant inclusion and exclusion, and the complexities around defining citizenship and belonging in host societies.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$2.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and apply key concepts, theories, and approaches to studying immigration, asylum, and citizenship.
- Identify the fundamental features of key debates concerning immigration, asylum, and citizenship in the US and across the world.
- Explain and analyze the factors that shape immigration, asylum, and citizenship policies and their outcomes.
- Articulate domestic and international dynamics and debates around immigration, asylum, and citizenship.
- Identify the causes and outcomes of displacement and global refugee movement.
- Articulate how states and societies define membership and belonging.

Program Outcomes

Demonstrate knowledge of politics and government in the United States and/or across the world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

POLS 298 - Independent Study-Political Science

Credits: 1-5

Enables students to individually pursue special interests or opportunities to study in political science under guidance of an instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Achieve an in-depth understanding of a specific topic or area of political activity.
- Demonstrate enhanced analytical and research skills.

Program Outcomes

- Demonstrate knowledge of politics and government in the United States and/or across the world.

Practical Nursing

MNURS 103 - Foundations of Nursing Lab

Credits: 2

Designed for a student who is already Medical Assistant-Certified and is enrolled in the MA to LPN program. Provides students with the knowledge of basic client care skills across the lifespan and their application in the clinical setting. Includes documentation, communication, math competency, non-parenteral medication administration, and culturally sensitive care using the nursing process and clinical judgment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective care environment in the skills laboratory.
- Use the nursing process and clinical judgment with nursing care for one or more clients who are in different stages of the life cycle in the skills laboratory.
- Document nursing care provided and client/family teaching in the skills laboratory.
- Provide nursing care in the skills laboratory within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in the skills laboratory.
- Communicate with other health care team members to provide for continuity of care in the skills laboratory.

- Demonstrate competence with nursing skills including administration of non-parenteral medications, and a head-to-toe physical assessment in the skills laboratory.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in the skills laboratory.
- Demonstrate accurate calculation of math seen in nursing practice.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

MNURS 113 - Med-Surg Nursing I Lab

Credits: 1

This course is designed for a student who is already Medical Assistant-Certified and is

enrolled in the MA to LPN program. Provides students with the knowledge of client care skills across the lifespan and their application in the clinical setting. Includes documentation, communication, math competency, indwelling urinary catheter insertion and removal, tracheostomy care and suctioning, parenteral medication administration, and culturally sensitive care using the nursing process and clinical judgment.

Enrollment Requirement: Admission into the MA to Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing nursing care in a safe and effective skills laboratory care environment.
- Use the nursing process and clinical judgment with nursing care for one or more clients who are in different stages of the life cycle in a skills laboratory care environment.
- Document nursing care provided and client/family teaching in a skills laboratory care environment.
- Provide nursing care in the skills laboratory within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a skills laboratory care environment.
- Communicate with other health care team members to provide for continuity of care in a skills laboratory care environment.
- Demonstrate competence with nursing skills including indwelling catheter insertion/removal, tracheostomy care and suctioning, and administration of non-parenteral and parenteral medications in a skills laboratory care environment.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in a skills laboratory care environment.
- Demonstrate accurate calculation of math seen in nursing practice.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.

- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 102 - Foundations of Nursing

Credits: 6

Students learn concepts and theories relating to the basic art and science of nursing to meet the needs of individuals across the lifespan in an ethical, legal, and safe manner, utilizing the nursing process and clinical judgment. This includes fundamental topics related to nursing care of clients and working with the interdisciplinary health team. Also included is immunology, infection control and inflammation. rehabilitation, death and dying, care of the older adult, and pain.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the role of the nurse, maintaining safety, using the nursing process clinical judgment, evidence-based practice, and principles of pharmacology to clients across the lifespan.
- Describe legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for clients across the lifespan.
- Discuss the health care team and history of nursing including nursing theorists.

- Describe communication, documentation, and HIPAA regulations as they apply to the care of clients.
- Using the nursing process and clinical judgment, discuss basic principles of nutrition, immunology, inflammation and infection control related to the care of clients across the lifespan.
- Using the nursing process and clinical judgment, discuss care for clients experiencing death and dying, rehabilitation, and pain across the lifespan.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in the nursing process and clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 103 - Foundations of Nursing Lab

Credits: 1-3

Provides students with the knowledge of basic client care skills across the lifespan and their application in the clinical setting. Includes documentation, communication, math competency, non-parenteral medication administration, and culturally sensitive care using the nursing process and clinical judgment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective care environment in the skills laboratory.
- Use the nursing process and clinical judgment with nursing care for one or more clients who are in different stages of the life cycle in the skills laboratory.
- Document nursing care provided and client/family teaching in the skills laboratory.
- Provide nursing care in the skills laboratory within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in the skills laboratory.
- Communicate with other health care team members to provide for continuity of care in the skills laboratory.
- Demonstrate competence with nursing skills including administration of non-parenteral medications and a head-to-toe physical assessment in the skills laboratory.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in the skills laboratory.
- Demonstrate accurate calculation of math seen in nursing practice.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan in the skills laboratory.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.

- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 104 - Mental Health in Nursing

Credits: 3

Focuses on principles underlying the care of a client with mental health disorders and the importance of a therapeutic relationship and environment. Psychopathology and treatment modalities of mental disorders are reviewed. The role of the nurse, caring for clients with psychological and psychosocial problems, using the nursing process and clinical judgment with the healthcare team is discussed.

Enrollment Requirement: Admission into the Practical Nurse Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe mental health, mental illness, the principles of mental health care and the continuum between both mental health and mental illness.
- Discuss factors impacting mental health including culture, socioeconomic, legal, ethical, social determinants of health, and changes in the health care system.
- Describe theorists and psychotherapies related to their impact on personality and behavior.
- Discuss the role of stress, adaptation, coping, illness, and crisis related to mental health.
- Describe components of a therapeutic relationship and therapeutic environment.

- Examine the indications, implications, side effects, contraindications, client teaching and safety precautions for clients receiving medications for mental health disorders.
- Discuss the use of the DSM-V multi-axial system for classification of mental disorders.
- Discuss the role of the nurse, caring for clients with psychological and psychosocial problems, using clinical judgment with the healthcare team.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in the nursing process and clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 105 - Foundations of Nursing Clinical

Credits: 2

Students will utilize critical thinking with the nursing process and clinical judgment, demonstrate culturally sensitive care, provide documentation, and communicate with

clients/families and members of the health care team. In addition, students will begin concept mapping for the provision of nursing care.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective care environment.
- Use the nursing process and clinical judgment with nursing care, and when developing a comprehensive concept map for one client in the geriatric setting.
- Document nursing care provided and client/family teaching.
- Provide nursing care in a clinical environment within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client.
- Communicate confidentially with other health care team members to provide for continuity of care, as well as therapeutically communicate with the client and family.
- Demonstrate competence with nursing skills including a head-to-toe physical assessment and administration of non-parenteral medications.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care to clients.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 107 - Foundations of Nursing Simulation

Credits: 1

On campus and virtual simulation scenarios will provide the student with the opportunity to apply clinical skills using the nursing process and clinical judgment to give culturally sensitive care, and begin to develop clinical reasoning skills in a safe simulation environment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective simulation care environment.
- Use the nursing process and clinical judgment with nursing care for one client who is in different stages of the life cycle in a simulation care environment.
- Document nursing care provided and client/family teaching in a simulation care environment.
- Provide nursing care in a simulation care environment within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a simulation care environment.
- Communicate with other health care team members to provide for continuity of care in a simulation care environment.

- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in a simulation care environment.
- Demonstrate safe administration of non-parenteral medications, and other nursing skills in a simulation care environment.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 112 - Med-Surg Nursing I

Credits: 5

Provides an overview of the nursing care and management of clients of all ages with common medical - surgical conditions. Etiology, pathophysiology, clinical manifestations,

medical management, nutrition, diagnostic testing, health promotion, and the nursing process and clinical judgment will be integrated to assist the client's health and functioning.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify normal/abnormal pathophysiology of common medical surgical conditions experienced by clients across the life-span.
- Discuss the etiology, clinical manifestations, diagnostic tests and medical management of common medical surgical conditions experienced by clients across the life-span.
- Describe the role of the nurse, using the nursing process and clinical judgment, when caring for the client with common medical surgical conditions experienced by clients across the life-span.
- Describe legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for clients across the lifespan.
- Identify nutrition and health promotion activities related to the common medical surgical conditions experienced by clients across the life-span.
- Examine the indications, implications, side effects, contraindications, client teaching and safety precautions for clients receiving medication related to course theory content.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 113 - Med-Surg Nursing I Lab

Credits: 1-2

Provides students with the knowledge of client care skills across the lifespan and their application in the clinical setting. Includes documentation, communication, math competency, indwelling urinary catheter insertion and removal, tracheostomy care and suctioning, parenteral medication administration, and culturally sensitive care using the nursing process and clinical judgment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing nursing care in a safe and effective skills laboratory care environment.
- Use the nursing process and clinical judgment with nursing care for one or more clients who are in different stages of the life cycle in a skills laboratory care environment.
- Document nursing care provided and client/family teaching in a skills laboratory care environment.
- Provide nursing care in the skills laboratory within legal and ethical guidelines.
- Performs culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a skills laboratory care environment.
- Communicate with other health care team members to provide for continuity of care in a skills laboratory care environment.
- Demonstrate competence with nursing skills including indwelling catheter insertion/removal, tracheostomy care and suctioning, and administration of non-parenteral and parenteral medication in a skills laboratory care environment.

- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in a skills laboratory care environment.
- Demonstrate accurate calculation of math seen in nursing practice.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 114 - Pediatric Nursing and Reproductive Health

Credits: 4

Focuses on the nursing care of a pediatric client with common medical surgical, mental, and cognitive conditions using nursing process and clinical judgment, and family centered care. Additionally, nursing care of a client with common medical surgical

reproductive conditions, antepartum/intrapartum/postpartum, and newborn nursing care is included. Decimal

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify normal/abnormal pathophysiology of common medical surgical, mental, and cognitive conditions experienced by pediatric and reproductive/newborn clients.
- Discuss the etiology, clinical manifestations, diagnostic tests and medical management of common medical surgical, mental, and cognitive conditions experienced by pediatric and reproductive/newborn clients.
- Describe the role of the nurse, using the nursing process and clinical judgment and family centered care when caring for the pediatric and reproductive/newborn client and client/family/caregiver with common medical surgical, mental, and cognitive conditions experienced by clients both at home and during hospitalization.
- Identify nutrition, hazard prevention, health promotion activities and communication with client/family/caregiver related to the common medical surgical, mental, and cognitive conditions experienced by pediatric and reproductive/newborn clients.
- Examine the indications, implications, side effects, contraindications, client/family/caregiver teaching and safety precautions for pediatric and reproductive/newborn clients receiving medication related to course theory content.
- Identify developmental theories pertaining to the care of the pediatric client as well as growth and development of pediatric clients.
- Describe legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for clients across the lifespan.
- Discuss the normal and high-risk pathophysiology and adaptations of antepartum, intrapartum and postpartum mother and baby dyad.
- Describe the nursing care of the client experiencing normal and abnormal labor and delivery including the adolescent, using the nursing process and clinical judgment.
- Describe the nursing care of the normal and high-risk mother/newborn client during the postpartum period using the nursing process and clinical judgment.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.

- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 115 - Med-Surg Nursing I Clinical

Credits: 3

Students will utilize critical thinking with the nursing process and clinical judgment, demonstrate culturally sensitive care, provide documentation, and communicate with clients/families and members of the health care team. In addition, students will continue to develop concept maps for the provision of nursing care to clients of across the lifespan.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective care environment.
- Use the nursing process and clinical judgment with nursing care, and when developing a comprehensive concept map for two clients.

- Document nursing care provided and client/family teaching.
- Provide nursing care in a clinical environment within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client.
- Communicate confidentially with other health care team members to provide for continuity of care, as well as therapeutically communicates with the client and family.
- Demonstrate competence with nursing skills including a head-to-toe physical assessment and administration of non-parenteral and parenteral medications.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care to clients.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 117 - Med-Surg Nursing I Simulation

Credits: 1

On campus and virtual simulation scenarios related to content in Med Surg I will provide the student with the opportunity to apply clinical skills using the nursing process and clinical judgment to give culturally sensitive care, and continue to develop clinical reasoning skills in a safe simulation environment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective simulation care environment.
- Use the nursing process and clinical judgment with nursing care for one or more clients who are in different stages of the life cycle in a simulation environment.
- Document nursing care provided and client/family teaching in a simulation environment.
- Provide nursing care in a simulation environment within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a simulation environment.
- Communicate with other health care team members to provide for continuity of care in a simulation environment.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in a simulation environment.
- Demonstrate safe administration of non-parenteral and parenteral medications, as well as other nursing skills in a simulation environment.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.

- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 122 - Med-Surg Nursing II

Credits: 6

Provides an overview of the care and management of clients of all ages with more complex common medical - surgical conditions. Etiology, pathophysiology, clinical manifestations, medical management, nutrition, diagnostic testing, health promotion, and the nursing process and clinical judgment will be integrated to assist the client's health and functioning.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify normal/abnormal pathophysiology of more complex common medical surgical conditions experienced by clients across the lifespan.

- Discuss the etiology, clinical manifestations, diagnostic tests and medical management of more complex common medical surgical conditions experienced by clients across the life-span.
- Describe the role of the nurse, using the nursing process and clinical judgment, when caring for the client with more complex common medical surgical conditions experienced by clients across the life-span.
- Describe legal, ethical, social determinants of health, cultural and ethnic diversity considerations when providing care for clients across the lifespan.
- Identify nutrition and health promotion activities related to more complex common medical surgical conditions experienced by clients across the life-span.
- Examine the indications, implications, side effects, contraindications, client teaching and safety precautions for clients receiving medication related to course theory content.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 123 - Med-Surg Nursing II Lab

Credits: 2

Provides students with the knowledge of more advanced client care skills across the lifespan and their application in the clinical setting. Includes documentation, communication, math competency, IV therapy skills and blood typing, neurological assessment, nasogastric tube insertion and care, rectal tubes, emergency airways, code meds, EKG rhythms, central lines, ankle-brachial index, and culturally sensitive care using the nursing process and clinical judgment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing nursing care in a safe and effective care environment in a skills laboratory care environment.
- Use clinical judgment with nursing care for one or more clients who are in different stages of the life cycle in a skills laboratory care environment.
- Document nursing care provided and client/family teaching in a skills laboratory care environment.
- Provide nursing care in the skills laboratory within legal and ethical guidelines
- Perform culturally sensitive nursing care in a skills laboratory setting, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client in a skills laboratory care environment.
- Communicate with other health care team members to provide for continuity of care in the skills laboratory in a skills laboratory care environment.
- Demonstrate competence with nursing skills including IV therapy skills and blood typing, neurological assessment, nasogastric tube insertion and care, rectal tubes, emergency airways, code meds, EKG rhythms, central lines, ankle-brachial index in a skills laboratory care environment.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care in a skills laboratory care environment.
- Demonstrate accurate calculation of math seen in nursing practice.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.

- Engage in the nursing process and clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 125 - Med-Surg Nursing II Clinical

Credits: 4

Students will utilize critical thinking with the nursing process and clinical judgment, demonstrate culturally sensitive care, provide documentation, and communicate with clients/families and members of the health care team. In addition, students will further refine concept maps for the provision of nursing care to clients of across the lifespan.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing nursing care in a safe and effective care environment.
- Use the nursing process and clinical judgment with nursing care to two or more clients, and when developing a comprehensive concept map for two clients.
- Document nursing care provided and client/family teaching.
- Provide nursing care in a clinical environment within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client.
- Communicate confidentially with other health care team members to provide for continuity of care, as well as therapeutically communicate with the client and family.
- Demonstrate competence with nursing skills.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care to clients.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 126 - Transition to Practice

Credits: 2

Provide the resources for entry into nursing practice. Topics include preparation of a cover letter, resume, interviewing, components of working as a nurse, professionalism, and preparation for taking the NCLEX-PN licensure exam.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the role of the nurse caring for clients within legal and ethical guidelines in regard to coordination of care, safety and infection control, health promotion and maintenance, psychosocial integrity, basic care and comfort, parenteral therapies, medications, and reduction of risk potential.
- Identify the role of the nurse when caring for clients within legal and ethical guidelines with a disorder in the cardiovascular-hematologic, respiratory, neurosensory, gastrointestinal-biliary, genitourinary-renal-reproductive, endocrine, musculoskeletal, medical emergencies, and integumentary systems.
- Describe the steps involved in registering for the NCLEX with the WA Department of Health and PearsonVue.
- Discuss the process for maintaining continued competency as a nurse, and ways to be a good nurse employee.
- Describe different work settings for a nurse, leadership styles, applying for a position as a nurse, writing a cover letter and resume, and interviewing.
- Identify the benefits of joining professional nursing organizations.
- Describe components of being professional in an online and clinical environment.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.

- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 127 - Med-Surg Nursing II Simulation

Credits: 1

On campus and virtual simulation scenarios related to content in Med Surg II will provide the student with the opportunity to apply clinical skills using the nursing process and clinical judgment to give culturally sensitive care, and further refine clinical reasoning skills in a safe simulation environment.

Enrollment Requirement: Admission into the Practical Nursing Program

Course Fee: \$100.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify scientific principles when performing basic nursing care in a safe and effective care environment.
- Use the nursing process and clinical judgment with nursing care for one client who is in different stages of the life cycle.
- Document nursing care provided and client/family teaching.

- Provide nursing care in a simulation environment within legal and ethical guidelines.
- Perform culturally sensitive nursing care, including a focus on racial, socio-economic, sexual, gender, ethnicity, religious, social determinants of health, and spiritual needs of a client.
- Communicate with other health care team members to provide for continuity of care.
- Integrate principles of safety, quality, collaboration, relationship-centered care, systems-based care, and personal/professional development when providing care.
- Demonstrate safe performance of nursing skills.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PNURSE 194 - Special Studies-Nursing

Credits: 1-6

Enables students to pursue areas of special interest in the nursing field such as gerontology, adult critical care, pediatrics, and fetal monitoring.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PNURSE 198 - Independent Study-Nursing

Credits: 1-10

Students are responsible to meet with a Nursing advisor and agree to a specific objective contract which identifies unit of credits and learning experiences to be completed. This contract is filed with the Dean of Instruction, Health Sciences and Education.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

PNURSE 294 - Special Studies in Nursing 2

Credits: 1-6

Enables students to pursue areas of special interest in the nursing field such as neonatal intensive care, adult critical care, advanced pediatrics, and advanced fetal monitoring.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

- Provide safe, quality, evidence-based, innovative client-centered nursing care to diverse clients across the lifespan.
- Engage in clinical judgment that integrates evidence, nursing, physical and psychosocial sciences, to ensure healthcare quality and safety, and make client/relationship centered care decisions within the scope of practice of the practical nurse.
- Participate in collaboration and teamwork with the inter-professional team, the client, and the client's support persons to provide and improve client care and communication.
- Integrate quality improvement activities and advocacy skills to enhance client care.
- Utilize information technology and supportive resources to improve client care processes within the healthcare system.
- Incorporate legal and ethical guidelines within the scope of practice of a practical nurse to enhance client care and professional development.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Prior Learning Assessment

PLA 099 - Independent Study-Prior - Learning Assessment

Credits: 1-2

Assists students who wish to work on a Prior Learning Assessment project. PLA orientation sessions are provided by faculty and support staff. Instruction includes documentation requirements, assessment, transcript rules, transfer information and restrictions. Credits are awarded for demonstrated learning outcomes that are appropriate to a particular course offering. Faculty, as the content specialists, assesses and recognizes prior learning and makes the determination of credit awards. Credit for PLA may be granted only upon the recommendation of faculty who are appropriately qualified and who are on a regular appointment with the college on a continuing basis. Successful PLA coursework will be transcript on a notation basis. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Psychology

PSYC& 100 - General Psychology

Credits: 5

Provides an overview of the scientific study of behavior and mental processes in humans and animals. Focuses on the presentation of various scientific theories and supporting research that currently guide the understanding of various aspects of human behavior such as learning, sensation, perception, motivation, memory, emotion, personality, development, abnormal behavior, psychotherapy, and group behavior.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the scientific method as it applies within the discipline of psychology.
- Identify and describe the major theoretical perspectives utilized by psychology in understanding behavior and mental processes.
- Explain the major concepts utilized by psychologists in understanding various aspects of behavior and mental processes.

Program Outcomes

- Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC& 180 - Human Sexuality

Credits: 5

Explores the physiological, social and psychological aspects of sexuality. Covers the major theoretical constructs and empirical data regarding sexuality. May cover research

techniques, sexual anatomy and physiology, sexual response, sexual behavior, orientation, relationships, love, sexual communication, sexual dysfunctions, deviations and treatment.

Enrollment Requirement: Eligible for ENGL 99; and PSYC& 100 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain research data applied to sexuality.
- Describe sexual behavior.
- Describe love and relationships.
- Explain the physiology of sexuality and common deviations from the norm.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC& 200 - Lifespan Psychology

Credits: 5

Covers theories and supporting research that explain psychological development from conception through old age. Topics may include physiological development, emotional development, personality and social development, cognitive development, and aging and death.

Enrollment Requirement: Eligible for ENGL& 101; and PSYC& 100 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the research principles that underlie research in developmental psychology.
- Identify and describe the major theories utilized to understand human development.

- Identify and describe developmental milestones associated with prenatal, infancy, childhood, adolescence, and adult developmental periods.
- Explain the influences of biology and environment on human development.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC 201 - Personality

Credits: 5

Presents an overview of various approaches to personality and their implications for healthy psychological adjustment to the demands of living. Approaches may include biological, psychodynamic, trait, behavioral, humanistic and cognitive perspectives on personality. Presents core concepts used by each perspective, as well as the assessment techniques generated by and used by that perspective.

Enrollment Requirement: Eligible for ENGL& 101; and PSYC& 100 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the research principles that underlie research on personality.
- Identify and describe the major theories utilized to understand personality.
- Specify the implications of various personality theories for healthy and pathological functioning.
- Identify the assessment techniques utilized by each theory.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC 209 - Fundamentals of Psychological Research

Credits: 5

Introduces psychological research. Topics include interpretation of research, research problems and design, scientific writing, ethics, and literature review techniques.

Enrollment Requirement: Eligible for ENGL& 101; and PSYC& 100 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Plan or execute modest research projects.
- Explain the literature describing psychological research.
- Access research literature.
- Apply methods of psychological research.
- Produce scientific writing and use APA format and documentation.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC& 220 - Psychological Disorders

Credits: 5

Covers the diagnosis, causes, and treatment of psychological disorders. Topics may include defining disorders, the history of psychological disorders, and differing theoretical models used to explain the cause of psychological disorders and the supporting research. Reviews disorders such as depression, anxiety, schizophrenia, anorexia nervosa, and dissociative identity disorder.

Enrollment Requirement: Eligible for ENGL& 101; and PSYC& 100 with a grade of 2.0

or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe the research methods appropriate to the study of psychological disorders.
- Explain the predominant theoretical approaches utilized in explaining psychological disorders.
- Describe the current methods of assessing psychological disorders.
- Apply the various theoretical approaches to the explanation of specific psychological disorders.
- Identify and describe specific psychological disorders.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC 225 - Fundamentals of Physiological Psychology

Credits: 5

Introduces the physiological psychology and the neural mechanisms of behavior. May cover how neurons and neurotransmitters function, the anatomical overview of the nervous system, how sensory systems and motor systems function, the neural mechanisms of motivated behavior, emotion, learning, memory, and sleep and psychological disorders.

Enrollment Requirement: Eligible for ENGL& 101; and PSYC& 100 with a grade of 2.0 or higher; or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the basic process of neuronal functioning both within and between neurons.

- Explain the fundamentals of the present state of knowledge concerning how brain and nervous system function gives rise to sensory, motor, motivational, memory and emotional processes.
- Identify the utility of models of nervous system processing for enhanced psychological functioning.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC 240 - Social Psychology

Credits: 5

Covers theories and supporting research that explore the area of social psychology. Topics may include the social self, social cognition, stereotypes, prejudice and discrimination, individualistic and collectivistic cultures, attitudes, persuasion, group influence, conformity and obedience, attraction and close relationships, aggression and helping others, and conflict resolution.

Enrollment Requirement: PSYC& 100 with a grade of 2.0 or higher.

Satisfies Requirement: Social Science

Course Outcomes:

Students who successfully complete this class will be able to:

- Define social psychology and understand the role it plays in the field of psychology.
- Describe what attitudes are including attitude formation and persuasion.
- Define social perception and identify related concepts such as attribution theory, first impressions and the fundamental attribution error.
- Describe the power of social influence as demonstrated by classic research in areas like group conformity and obedience to authority.
- Describe the power of group behavior and the influence of groups.
- Define prejudice and identify the contributing factors.
- Identify approaches shown to resolve conflict between individuals and groups.
- Describe how factors related to culture (individualistic and collectivistic) contribute to the understanding of self and others.

Program Outcomes

- Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

PSYC 298 - Independent Study-Psychology 1

Credits: 1-5

Allows students to pursue a special field of interest in psychology under the guidance of an instructor.

Enrollment Requirement: PSYC& 100 with a grade of 2.0 or higher and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe in detail a particular topic chosen by student.
- Explain the research associated with the chosen topic.
- Design a research project to explore the topic.
- Produce a write-up of the research proposal/project/topic using APA style.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PSYC 299 - Independent Study-Psychology 2

Credits: 1-5

Continues project started in PSYC 298, or a second project.

Enrollment Requirement: PSYC 298 with a grade of 2.0 or higher and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe in detail a particular topic chosen by student.
- Explain the research associated with the chosen topic.
- Design a research project to explore the topic.
- Produce a write-up of the research proposal/project/topic using APA style.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

PSYC 335 - Psychology of Aging

Credits: 5

Examines the psychological changes that occur in adulthood through late life from a developmental perspective. In this course students examine the psychological theories, perspectives, and research methodology used in the study of development. Biological, cognitive, emotional, social, and cultural aspects of the aging process are explored from individual, familial, and societal viewpoints.

Enrollment Requirement: Enrollment in the LPN to BSN Program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain psychological theories of development as they relate to aging.
- Describe the research methods employed in the psychological study of aging.
- Identify and describe age-related biological, cognitive, and typical/atypical psychological changes.

- Identify and describe various influences (such as culture, society, and family) on the aging process.

Program Outcomes

Identify and apply concepts related to acquiring, evaluating and using reliable, valid, and powerful information to understand mind and behavior.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Reading

READ 104 - Reading Mastery

Credits: 5

Emphasizes the development of the critical reading and thinking skills (analysis, synthesis, and evaluation) needed for courses in the humanities, social sciences, and sciences. Presents active reading strategies and study reading techniques.

Enrollment Requirement: English/reading placement.

Course Fee: \$2.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Improve comprehension of college reading materials.
- Demonstrate meta-cognitive reading skills.
- Demonstrate critical reading skills.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approaches writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

Social Science

S SCI 100 - Truth, Lies and Social Statistics

Credits: 5

Social statistics are not just numbers. They are often created to help explain the nature of social problems and guide personal and public decisions. Examines the creation, use, misuse, and abuse of social statistics. Also emphasizes student ability to critically evaluate arguments that use social statistics.

Enrollment Requirement: Eligible for MATH& 107.

Satisfies Requirement: Social Science

S SCI 160 - Introduction to the Study of Gender

Credits: 5

Introduces students to various methods and theories in the Social Scientific study of gender and sexuality. Course examines the intersections of gender and sex with race/ethnicity, nationality, socioeconomic class, disability, sexuality, and additional dimensions of difference. Course examines marginalization and/or discrimination based on intersectional sex/gender identities.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Social Science & Diversity

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe various methods and theories in the Social Scientific study of gender and sexuality.
- Describe how sex, gender, race, ethnicity, religion, disability, and social class inform intersectional identities.
- Describe historical marginalization and/or discrimination based on intersectional identities.
- Identify and evaluate scientific theory, scholarly research and empirical evidence.

Program Outcomes

Distinguish between opinions, facts, and evidence-based interpretations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work

products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

S SCI 177 - Social Science Work Experience 1

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Eligible for ENGL 99 and concurrent enrollment in COOP 171 and instructor consent.

S SCI 178 - Social Science Work Experience 2

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Eligible for ENGL 99 and concurrent enrollment in COOP 171 and instructor consent.

S SCI 179 - Social Science Work Experience 3

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Eligible for ENGL 99 and concurrent enrollment in COOP 171 and instructor consent.

S SCI 194 - Special Topics-Social Science

Credits: 1-5

Focuses on a variety of current or long-range problems. Provides opportunities for an in-depth discussion of issues with instructors and specialists. May organize media courses.

Sociology

SOC& 101 - Introduction to Sociology

Credits: 5

Examines the structural forces that shape social experiences, including socialization processes, institutions, and social movements. Emphasizes the role of race, gender, class, and sexuality (amongst others) in shaping both structural inequalities and movements for social change. Contextualizes contemporary social phenomena in historical, cultural, economic, and political contexts.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Critically analyze the relationship between social structures and individual agency.
- Explain how racial, gender, and class-based inequalities have been constructed over time.
- Critically analyze the effects of social stratification in terms of privilege, inequality, and outcomes for diverse groups in American society.

Program Outcomes

Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 194 - Special Topics-Sociology

Credits: 1-5

Focuses on one special topic in the current realm of social concern issues. May be repeated when a different topic is presented. Topics may include social movements, such as the Consciousness Movement, the rise of religious cults, violence in the media, aging in America, new social and political power, or youth in transition.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the major theoretical perspectives to topic.
- Explain the fundamental significance of topic.
- Discuss the social construction of topic.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC& 201 - Social Problems

Credits: 5

Introduces the study of social problems within cultures, with a primary focus on American society. Examines issues such as social inequality, crime, drug abuse, family violence, population growth and environmental destruction using sociological theories, reasons and possible remedies.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze contemporary social problems from various lenses and perspectives.
- Demonstrate practical understanding of the complexity and controversy surrounding seemingly straightforward social problems.
- Demonstrate how social responsibility, awareness, and critical ability are needed to assess and tackle interconnected national and global social problems.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 202 - Sociology of Food

Credits: 5

Using a sociological lens, the relationship between food and humans is examined, focusing on how food production and consumption are informed by social class, ethnicity, gender, globalization, social movements and technological changes. Humans give symbolic meaning to food as more than a source of nourishment; food rituals are embedded in social institutions, cultural patterns and social interactions between individuals which reflect changing cultural values and practices.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply the major theoretical perspectives to food consumption and production practices.
- Explain the fundamental significance of food in human rituals and social institutions.
- Discuss the social construction of food as a form of cultural expression.
- Recognize the intersection of social class, gender, and ethnicity in food production and consumption patterns.
- Identify the connection between food production and globalization, including assessing the ecological implications of the current global food systems.
- Recall the various social movements related to food production and consumption.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 205 - Sociology of Disability

Credits: 5

A sociological study of disability includes the implications of disability on identity formation and social policies. Examination also includes the intersectionality of disability with other categories such as race, gender, sexual orientation and social class. Investigates the Disability Rights Movement, from the enactment of the American with Disabilities Act to the development of the model of Universal Design.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how the definition of disability evolved from a medical to a social one, and the implications of this evolution.
- Demonstrate a theoretical and practical understanding of disability, as part of identity formation, and as an impetus for social change.

- Investigate the intersectionality of disability with other historically marginalized identities and groups.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SOC 214 - Sociology of Race and Ethnicity

Credits: 5

Overview of major sociological perspectives in the study of race and ethnicity in society, including group relations, social stratification, and social change. Students survey theories, data, and sociohistorical/cultural processes useful for better understanding today's social world. Emphasis is placed on using sociological scholarship to solve modern racial dilemmas. Cross-listed with AMES 214.

Enrollment Requirement: Eligible for ENGL& 101; or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate an understanding of race and ethnicity, as distinct social concepts.
- Explain the relevance of sociology to approaching social problems created by race.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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SOC 215 - Survey of Criminology

Credits: 5

Covers the history and theory of what causes or contributes to crime, covering the major issues that confront the criminal justice system and studying the social organizations that create and enforce definitions of deviance and crime. Course is interdisciplinary in nature, working primarily from a sociological perspective, but including theories from biology, genetics, anthropology and psychology.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze crime, deviance, and social control from various perspectives.
- Identify the social forces that contribute to crime and deviance in American society.
- Explain crime and deviance as social construct that contributes to differential justice, across racial and economic lines.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SOC 220 - Sex and Gender in Society

Credits: 5

Explores gender as a major organizing principle in culture, and examines how gender influences sexuality, personal relationships and social institutions, including media, family, work, school and politics. Examines similarities and differences between the sexes primarily from a sociological perspective, but also through historical, psychological, biological and anthropological theories that contribute to understanding gender as a social force.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science and Diversity

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain how gender is socially constructed;
- Explain how cultural meanings attached to gender roles arise, are maintained, and change over time;
- Describe how relations of power have shaped gendered bodies, lives, and experiences across time and space.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 230 - Sociology of Death and Dying

Credits: 5

Examines the connection between culture and the process of death, dying and bereavement. Focuses on how social class, family structures, ethnicity, religion and technological changes influence American customs, taboos, and rituals around death by applying sociological theories.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain how people have responded to death and dying historically.
- Describe how one's social position influences the rituals associated with the death rite.
- Identify the role of technology in influencing our expectations around death.
- Differentiate between macro level factors, such as social policy and cultural norms, and micro level consequences, such as personal behaviors, choices and attitudes.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 240 - Sociology of the Family

Credits: 5

Examines the social institution of family from historical and multi-cultural perspectives emphasizing the use of sociological theories. Specific topics include dating rituals, mate selection, parenting, divorce, family violence and work patterns. Focuses on how families are influenced by larger social forces, such as religion, social class and social policies.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how societal expectations and structures influence the way families are organized.
- Explain the influence of class, race, and gender on family structure and expectations.
- Identify how macro level policy come to impact the lives of individual families.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 245 - Juvenile Delinquency

Credits: 5

Examines the history of the juvenile justice system, environmental influences on delinquency, theories of delinquency, controlling delinquency and current trends in juvenile crime. Examines the rationale behind the juvenile system, as well as the juvenile courts. Analyzes the various theories of crime causation including sociological,

psychological and criminological theories.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain childhood developmental issues and how they relate to delinquency.
- Apply the various theories associated with juvenile delinquency.
- Identify the social forces that push juveniles to commit offenses and the one's contain them.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
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SOC 252 - Drugs and Society

Credits: 5

A theoretical exploration of drugs and drug use from a sociological perspective; we will cover the history of racialized drug policies, as they relate to systems of social control and mass incarceration, with a focus on the War on Drugs and the Opioid Epidemic. We will also look at the social meaning behind drug use and how it is influenced by culture and the socialization process. Other key components include the medicalization of drugs, drug use for ritual purposes, drug subcultures, and both legitimate and illegitimate systems of drug production and distribution.

Satisfies Requirement: Satisfies a social science requirement.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe how drug policy has created mass incarceration in America.
- Apply sociological theory to drug use and policy in America.
- Identify the dimensions that shape our perceptions of drugs.
- Critique how punishments for drug use are shaped by inequality and privilege.

Program Outcomes

Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 260 - Crime and Justice

Credits: 5

Sociological study of the extent and causes of crime and a survey of the criminal justice system including the police, the courts and corrections. Gives attention to juvenile delinquency, gun control, capital punishment and violence against women.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and explain the types of crimes found in America.
- Apply the sociological perspective to crime.
- Identify the institutional procedures associated with crime.
- Explain the impact of crime on individuals.

- Identify how crime varies across key dimensions of inequality, such as gender, race/ethnicity, social/class.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SOC 271 - Deviance, Power, and Social Control

Credits: 5

Explores behaviors that breach culturally accepted norms within societies and considers the relations of power in which they are embedded. We examine how responses to deviant attitudes, behaviors, and conditions are determined by those in positions of power and used to label, stigmatize, and criminalize specific groups, as a larger political and economic struggle for power and social control.

Enrollment Requirement: Eligible for ENGL& 101 or instructor consent.

Satisfies Requirement: Social Science

Course Fee: \$1.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and apply sociological theories of deviance and conformity.
- Dissect and critique specific acts of norm violation as they relate to power and social control.
- Describe the relativity of crime and deviance across time and space.
- Describe and identify the influences of gender, race, ethnicity, sexual orientation, class, and other social markers as they relate to deviance and social control.
- Explain how deviance can be used for social change and group cohesion.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
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SOC 298 - Independent Study-Sociology

Credits: 1-5

Allows students to individually pursue special interests in sociology under the guidance of an instructor.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe in detail a particular topic chosen by student.
- Explain the research associated with the chosen topic.
- Design a research project to explore the topic.

Program Outcomes

- Demonstrate how inequality, privilege, and stratification are connected to course-specific content.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Software Development

SDEV 101 - Data Analytics Technologies

Credits: 5

Students learn how to use tools and technologies to collect, transform, and organize data to draw conclusions and drive informed decision making. Explore data analyst career paths. No prior experience required. Previously SDEV 122.

Course Outcomes:

Students who successfully complete this class will be able to:

- Recall the six stages of the data life cycle.
- Apply filter and sort tools in a spreadsheet to process and analyze data in a file.
- Apply filter and sort operators in a SQL SELECT statement to process and analyze data in a database.
- Apply spreadsheet formulas and functions to clean and summarize data.
- Apply SQL functions to clean and summarize data.
- Create a data visualization using a spreadsheet.
- Create a data visualization using a business intelligence tool.
- Recognize terms and concepts relating to contemporary data analytics technologies and careers.
- Recognize broader impacts and issues relating to data analytics such as privacy, security, ethics, and transparency.

Program Outcomes

- Solve data-related problems using a programming language.
- Demonstrate the ability to acquire, clean, and prepare data for analysis.
- Perform basic data analysis techniques such as filtering, aggregation, and joins.
- Produce and interpret data visualizations to describe, explore, and communicate insights from data.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 106 - Front-End Web Development

Credits: 5

Covers the fundamentals of web page production. Students learn the three layers of front-end web development: HTML for structure, CSS for styling and JavaScript for behavior. Emphasizes design for usability and accessibility. Students learn how the Internet works, how a web page is processed, and how to launch a website on the Internet. Previously IT 206.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Use HTML5 to properly mark up a web page using a basic text editor.
- Apply both internal and external CSS to control the look and feel of a web page.
- Utilize classes and IDs, and know when it is appropriate to use each.
- Explain the importance of usability and perform usability testing.
- Explain the importance of accessibility and integrate accessibility features into a web page.
- Navigate directory structures and properly incorporate images and internal and external links.
- Utilize proper document structure and formatting standards.
- Follow proper file and folder naming conventions.
- Explain and utilize the Document Object Model (DOM).
- Write JavaScript functions to create interaction within a web page and control its behavior.

Program Outcomes

Create data visualizations to support communication.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SDEV 117 - Web Programming with JavaScript

Credits: 5

Introduces students to JavaScript, a powerful programming language for creating dynamic, interactive web pages. Students learn the basics of JavaScript, and apply it

toward the development of a website. Topics include language constructs and syntax, event-driven programming, manipulating the Document Object Model (DOM), form validation, and utilizing JavaScript libraries, such as jQuery. Previously IT 207.

Enrollment Requirement: CS 108, CS 109, CS 121 or SDEV 218; and SDEV 106 all with grades of 1.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Design and create JavaScript programs that utilize selection, iteration, and functions.
- Apply best practices to code, including proper naming conventions, indentation, and documentation.
- Explain the difference between client- and server-side scripting.
- Apply JavaScript to a web page to make it more interactive.
- Implement event-driven programming.
- Effectively test and debug JavaScript code.
- Utilize JavaScript libraries to enhance JavaScript development.

Program Outcomes

Create data visualizations to support communication.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 121 - Python for Data Analytics

Credits: 5

Problem solving and algorithm development are emphasized as students learn Python, the most widely used data science programming language. Students learn how to write Python programs to process data sets and gather insights from interpreting data.

Enrollment Requirement: CS 108 or CS 109 with a grade of 2.0 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write a program that reads and processes data from a file.
- Recognize common data file formats (e.g. comma-separated values, JSON).
- Apply Python data structures (e.g. lists and dictionaries) to store and organize data in memory for processing.

- Apply Python control structures (e.g. decision and iteration) to support data analysis techniques such as filtering and calculating aggregate values.
- Apply Python variables and expressions to support calculation of values.
- Apply (call) library functions from the standard Python library (e.g. strings, random) to support data processing.
- Apply (call) library functions from third-party libraries (e.g. NumPy, pandas) to support data processing.
- Write a Python program that is decomposed and organized into multiple functions.

Program Outcomes

- Solve data-related problems using a programming language.
- Demonstrate the ability to acquire, clean, and prepare data for analysis.
- Perform basic data analysis techniques such as filtering, aggregation, and joins.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 201 - SQL for Data Analytics

Credits: 5

Structured Query Language (SQL) is used to extract and analyze data stored in databases. Hands-on experience with extracting data and organizing it into meaningful information in realistic scenarios.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the structure of tables and the function of keys in a relational database.
- Use diagrams to show how tables in a relational database relate to one another.
- Interpret business information requests to produce accurate SQL statements.
- Construct SQL queries to retrieve data from one or more tables in a database.
- Produce SQL queries using logical operators, expressions, and filters.

Program Outcomes

- Extract data from a database using a relational database language.
- Perform basic data analysis techniques such as filtering, aggregation, and joins.
- Understand and demonstrate basic programming and database constructs.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 218 - Java Foundations

Credits: 5

Learn the concepts of Java programming and create Java programs using hands-on, engaging activities. Foundational topics include Java data types, methods, parameter passing, decision and loop constructs, arrays, and using library classes.

Enrollment Requirement: Eligible for MATH& 107 or higher; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write (code) and test small Java programs to meet a specification.
- Identify and correct errors in a small Java program.
- Identify Java data types (e.g., int, double, char, boolean, array) and the operators that are defined on those types.
- Define variables and use them appropriately in expressions.
- Apply appropriate control structures (decisions and loops) to correctly control the flow of a program.
- Implement and call methods in a program with parameters and a return value.
- Apply (instantiate) objects and call methods from the standard library or a provided library.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Solve data related problems using a programming language.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 219 - Object-Oriented Programming

Credits: 5

Introduces students to problem solving methods, algorithm development and object-oriented design. Design, implement, document and debug programs using an object-oriented programming language. Previously IT 219.

Enrollment Requirement: SDEV 218 with a grade of 2.0 or higher; or instructor

consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define object-oriented terminology.
- Utilize classes, objects, and methods.
- Define variables and perform calculations using variables.
- Define variables and constants, using appropriate data types.
- Utilize the basic control structures in programming: sequence, selection, and iteration.
- Create and utilize a custom class.
- Create and manipulate arrays, including a sort.
- Utilize code libraries.
- Explain the compilation process.
- Define and utilize methods.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Solve data-related problems using a programming language.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 220 - Elementary Data Structures

Credits: 5

A continuation of SDEV 219 emphasizing concepts of data abstraction and encapsulation. Topics include inheritance, interfaces, generics, collections, and the implementation of linked lists and binary search trees. Previously IT 220.

Enrollment Requirement: SDEV 219 with a grade of 2.0 or higher; or instructor consent.

Course Fee: \$50.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create a class that is derived from another class, inheriting fields and methods from the superclass, and overriding methods in the subclass.

- Demonstrate the concept of polymorphism by defining unique behaviors in subclasses of a class while sharing some of the same functionality of the parent class.
- Define, implement, and use an interface.
- Invoke and instantiate a generic type.
- Use essential classes such as exceptions and basic I/O.
- Implement and manipulate elementary data structures: linked lists, stacks, and queues.
- Implement a binary search tree data structure and its recursive operations.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Solve data-related problems using a programming language.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 280 - Data Analytics Capstone

Credits: 5

Initiate and complete a project in service of an organization, supporting the data life cycle by collecting, transforming, and analyzing data, and communicating results in order to inform and guide decision making. Topics include data sourcing, data visualization tools and techniques, and broader impacts such as privacy, ethics, and transparency.

Enrollment Requirement: SDEV 101 and SDEV 121 and SDEV 201; or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Initiate a project through interviewing stakeholders and identifying their needs.
- Choose appropriate data sources that support the stakeholders' needs.
- Apply appropriate data science tools and class libraries to support data analysis activities such as data acquisition, processing, visualization.
- Present information and conclusions to stakeholders.
- Discuss broader impacts and issues relating to data analytics such as privacy, security, ethics, and transparency.

Program Outcomes

- Solve data-related problems using a programming language.
- Demonstrate the ability to acquire, clean, and prepare data for analysis.

- Perform basic data analysis techniques such as filtering, aggregation, and joins.
- Produce and interpret data visualizations to describe, explore, and communicate insights from data.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SDEV 301 - Systems Programming

Credits: 5

Introduces computer systems from the perspective of a programmer. Topics include data and program representation, the memory hierarchy, processes and threads, network programming and run-time analysis. Previously IT 301.

Enrollment Requirement: Admission into the Information Technology-Software Development, BAS program.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Represent and manipulate twos-complement integers at the binary level.
- Describe the characteristics of an instruction set architecture, including the roles of registers, op-codes, assembly and machine languages.
- Explain the roles of Java Virtual Machine components: class loader, compiler, interpreter, and garbage collector.
- Understand how memory is allocated to heap space or stack memory in the Java Virtual Machine.
- Compare primary, secondary and cache memory and how they impact program performance.
- Develop a program that uses multiple threads to perform work simultaneously.
- Develop a client-server program that uses a socket API to communicate over a network.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 305 - Web Development Fundamentals

Credits: 5

Students form software development teams to review and apply foundational concepts in HTML, CSS, and JavaScript to create responsive web pages. Introduces agile methods, version control systems, hosting environments.

Enrollment Requirement: Admission into the Information Technology-Software Development, BAS program.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Create modern, responsive web pages using Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript.
- Explain how web pages and applications are deployed, hosted, and managed.
- Define concepts in version control systems, including repositories, commits, branches, and merges.
- Apply workflows within Git and GitHub to collaboratively manage shared repositories.
- Identify and describe the elements of Scrum, including team roles, events, and artifacts.
- Demonstrate effective communication within a team and with project clients.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Communicate with technical and non-technical project stakeholders, and within project teams.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 328 - Server-Side Web Development

Credits: 5

Students develop the back end of a data-driven web application using a server-side web framework. Topics include the HTTP protocol, RESTful web APIs, and authentication and authorization systems.

Enrollment Requirement: SDEV 301 and SDEV 305 with grades of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify the fundamental components of a client-server application architecture, including servers, clients, and the communication flow between them.
- Explain key concepts in the HTTP protocol, such as request-response cycles, headers, status codes, and the role of HTTP in client-server communication.
- Produce a data-driven server-side web application by leveraging a modern framework.
- Implement a user authentication and authorization system within a web application.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 333 - Data Structures

Credits: 5

Introduces algorithmic thinking and data structures, including lists, stacks, queues, trees,

hash tables, and heaps. Focus on data structure and algorithm implementation with integrated coverage of theory: logic, sets and set operations, functions. Previously IT 333.

Enrollment Requirement: SDEV 301 and SDEV 305 with a grades of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a list, stack or queue data structure based on linked lists or static arrays.
- Develop a set or map data structure based on hash tables or binary search trees and implement basic set operations.
- Develop a binary search tree and implement pre-, post-, and in-order traversals.
- Demonstrate an understanding of self-balancing routines in a balanced binary search tree.
- Develop a priority queue using a binary heap implementation.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Communicate with technical and non-technical project stakeholders, and within project teams.
- Perform software quality assurance activities throughout the entire software lifecycle.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 334 - Algorithms

Credits: 5

A continuation of the concepts and themes from SDEV 333. Algorithms selected from areas such as sorting, searching, shortest paths, greedy algorithms, divide-and-conquer, backtracking, and dynamic programming. Includes coverage of graph theory, graph data structures, and graph algorithms. Previously IT 334.

Enrollment Requirement: SDEV 328 and SDEV 333 with grades of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze the runtime performance of an algorithm using big-O notation.
- Implement a graph data structure using an adjacency list or adjacency matrix.
- Differentiate between depth-first and breadth-first search algorithm strategies.
- Implement common graph algorithms such as shortest path and minimum spanning tree.
- Identify and describe common algorithm strategies, such as greedy, divide-and-conquer, backtracking, and dynamic programming.
- Discuss the notion of intractability in terms of P, NP, and NP-complete classes of problems.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Communicate with technical and non-technical project stakeholders, and within project teams.
- Perform software quality assurance activities throughout the entire software lifecycle.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 355 - Full Stack Web Development

Credits: 5

Students build a Single-Page Application (SPA) using a modern web framework to explore the distributed application model from the perspective of a front-end developer. Topics include component-based user interfaces, routing, and managing application state.

Enrollment Requirement: SDEV 328 and SDEV 333 with a grades of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop an interactive and dynamic user interface using a front-end framework.
- Demonstrate proficiency in creating and managing components and handling component lifecycles.
- Implement strategies for routing and state management in a Single-Page Application (SPA).
- Design unit, integration, and end-to-end tests to implement a testing strategy.
- Create a deployment plan for both the back-end and front-end components of a web application.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Perform software quality assurance activities throughout the entire software lifecycle.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SDEV 372 - Cloud Application Deployment

Credits: 5

Students explore principles of cloud applications from design to deployment. Topics include application deployment through virtual machines or containers and continuous integration/continuous delivery (CI/CD) pipelines for automated testing and deployment.

Enrollment Requirement: SDEV 355 with a grade of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain microservice architecture principles, including modularity, loose coupling, and decentralized data management.
- Demonstrate comprehension of Linux operating system fundamentals and how they relate to cloud platform deployments, including virtual machines and containerization.
- Apply software testing methods to a cloud-based application, including unit, integration, and end-to-end testing.
- Implement a basic CI/CD pipeline for automated testing and deployment.
- Compare cloud deployment strategies, considering scalability, security, and cost.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Perform software quality assurance activities throughout the entire software lifecycle.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

SDEV 378 - Software Career Preparation Seminar

Credits: 5

Prepares students for internships and entry-level roles in software development. Focus will be on how to manage the internship/career search and how to effectively secure a position. Personal branding, technical resumes, and industry-specific interviewing skills will also be covered. Previously IT 378. This is a pass/no credit course.

Enrollment Requirement: Admission into the Information Technology-Software Development, BAS program.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate individual responsibility by taking ownership of their internship and career search.
- Recognize the major elements of the technical career search that are within one's own control.

- Prepare for technical career specific elements of the career search such as one-way video interviews, whiteboarding interviews, and the STAR method of answering behavioral interview questions.
- Set goals, plan, and track progress in the career search and career development processes.
- Create a technical resume that is targeted for a specific technical role.
- Develop a personal brand and the artifacts to support and communicate the brand to others.
- Establish a professional network, online and in-person, leveraging existing resources, to support the career search and development process.

Program Outcomes

Communicate with technical and non-technical project stakeholders, and within project teams.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SDEV 426 - Design Patterns and Practices

Credits: 5

Software developers rely on design principles to guide their decisions when designing components of software. Topics include design notations, design patterns, refactoring, and design for change. Emphasis on design communication, design integrity and design trade-offs. Previously IT 426.

Enrollment Requirement: SDEV 333 with a grade of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret object-oriented design concepts that are expressed in UML.
- Create software design artifacts that are geared toward a technical audience: class diagrams, sequence diagrams, state machine diagrams, or use case diagrams.
- Identify common software design patterns from a catalog of patterns.
- Apply appropriate design patterns in a given scenario and implement the pattern in code.

- Apply well-known principles in software design, such as the open-closed principle, command-query separation, dependency-inversion and the single-responsibility principle.
- Implement a program using a modern software framework that leverages architectural patterns, such as model-view-controller.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

SDEV 485 - Software Development Capstone 1

Credits: 5

First of two capstone project courses. Students as technical team members partner with business team members and/or clients to develop a product or service concept that fulfills a business need. Previously IT 485.

Enrollment Requirement: SDEV 355 with a grade of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Conduct a project kickoff meeting with all project stakeholders.
- Differentiate between the Product Owner, Development Team, and Scrum Master roles in a Scrum team.
- Organize and conduct regular project meetings, including Sprint Planning meetings, Daily Scrum meetings, Sprint Review meetings, and Sprint Retrospective meetings.
- Integrate and reconcile business activities with technical team activities.
- Work with a team to manage the product backlog, a prioritized list of stories (high-level requirements) for the product.
- Work with a team to manage the sprint backlog, a prioritized list of tasks to be completed during a sprint.

- Work with a team to estimate the size of stories and tasks.
- Work with a team to establish the Definition of Done (DoD, or exit criteria) to determine when a story or task is complete.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Communicate with technical and non-technical project stakeholders, and within project teams.
- Apply Agile practices such as maintaining a product backlog, planning sprints, participating in sprint reviews and retrospectives.
- Perform software quality assurance activities throughout the entire software lifecycle.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SDEV 486 - Software Development Capstone 2

Credits: 5

Second of two capstone project courses. Students as technical team members continue development of a product or service that fulfills a business need for clients and adapt as needed to changing business environments and/or requirements. Students present their products to a community of peers. Previously IT 486.

Enrollment Requirement: SDEV 485 with a grade of 1.0 or higher.

Course Fee: \$150.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Decompose user stories into acceptance criteria and technical tasks.
- Provide estimates for user stories and report actual effort expended.
- Describe how changes to requirements and design are handled in a project.

- Resolve conflicting perspectives in a project through communication.
- Present and demonstrate the product to a community of peers.
- Conduct a project closeout meeting and review.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Communicate with technical and non-technical project stakeholders, and within project teams.
- Apply Agile practices such as maintaining a product backlog, planning sprints, participating in sprint reviews and retrospectives.
- Perform software quality assurance activities throughout the entire software lifecycle.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

SDEV 494 - Special Topics 1: Software Development

Credits: 5

Course content varies by section and is selected to address contemporary and timely topics in software development, data analytics, and/or data engineering, supporting the program outcomes of the BAS Software Development program.

Enrollment Requirement: SDEV 328 and SDEV 333 with grades of 1.0 or higher.

Course Outcomes:

Students who successfully complete this class will be able to:

- Define relevant terms and concepts relating to the course topics.
- Articulate the relationship of the course topics to applications in industry.
- Create a technical artifact or work product, with supporting documentation, that demonstrates an application of the topic.

Program Outcomes

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Write technical documentation to support software lifecycle activities.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Spanish

SPAN 111 - Spanish for Health Care Workers 1

Credits: 5

Focuses on developing basic communication skills primarily for health care workers or for anyone desiring a background in the language of health care in Spanish. Students learn introductory vocabulary and grammatical structures in Spanish related to the language of health care.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize the different cultures and customs of the diverse Hispanic population with whom they will most likely work.
- Demonstrate a basic oral and written communication skills in Spanish related to the provision of health care.
- Demonstrate a basic understanding of the basic structure of the Spanish language, in particular, the needed coordination of all the elements in a sentence.
- Develop proficiency in Spanish both orally and in writing using the present and the future tenses in simple sentences.
- Develop a sense of personal responsibility by following the guidelines stated in the syllabus and being held accountable for this.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SPAN 112 - Spanish for Health Care Workers 2

Credits: 5

A continuation of SPAN 111. Focuses on further developing communication skills primarily for health care workers or for anyone desiring a background in the language of medicine in Spanish. Students expand introductory vocabulary and grammatical structures in Spanish related to the language health care.

Enrollment Requirement: Eligible for ENGL 99 and SPAN 111 with a grade of 2.0 or higher.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Recognize the different cultures and customs of the diverse Hispanic population with whom they will most likely work.
- Acquire proficiency in basic oral and written communication skills in Spanish related to the vocabulary used when interacting in a health care environment.
- Demonstrate communication in Spanish both orally and in writing using the forms of the past tense, the subjunctive and other related grammatical structures.
- Demonstrate a sense of personal responsibility by following the guidelines stated in the syllabus and be accountable for this.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SPAN 115 - Hispanic Activities

Credits: 1

Allows students to learn about the multiple contributions of the Hispanic world to the global community. Students are exposed to different elements of Hispanic culture, including music, dancing, and festivals, as well as basic Hispanic history.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the diversity of the Hispanic world.
- Illustrate a basic knowledge of the complex relation between the USA and the Hispanic world.
- Define different aspects of Hispanic popular culture such as food traditions, the importance of music and dancing, festivals, sports.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SPAN& 121 - Spanish I

Credits: 5

Begins the systematic study of Spanish emphasizing speaking and listening, basic grammar, vocabulary, reading, writing, and conversation practice. Course requires practice with lab materials.

Enrollment Requirement: Eligible for ENGL 99; and no previous background in Spanish, or no more than one year of high school Spanish, or no more than two years of high school Spanish with a "C" average or less.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate a basic knowledge of the diversity of the Hispanic world, its history and relations to the USA.
- Develop an understanding of the basic structure of the Spanish language, in particular, the needed coordination of all the elements in a sentence.
- Demonstrate communication in Spanish both orally and in writing using the present and the future tenses in simple sentences.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SPAN& 122 - Spanish II

Credits: 5

Systematic study of Spanish using the four basic skills of listening, speaking, reading and writing. Course requires practice with lab materials.

Enrollment Requirement: Eligible for ENGL 99; and a grade of 2.0 or higher in SPAN& 121; or equivalent with instructor consent. The equivalent of SPAN& 121 is one year in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop a basic knowledge of the diversity of the Hispanic world and its history.
- Determine the roots of common stereotypes about the Hispanic world in the US and about the USA in the Hispanic World.
- Demonstrate proficiency in Spanish orally and in writing using the present, the future and past tenses, as well as the reflexive constructions, at a level that allows them to be understood in Spanish on daily life situations.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SPAN& 123 - Spanish III

Credits: 5

Completion of basic grammar system, vocabulary, reading, writing, and conversation. Course requires practice with lab materials. Fulfills the University of Washington College of Arts and Sciences graduation requirement.

Enrollment Requirement: Eligible for ENGL 99; and a grade of 2.0 or higher in SPAN& 122 or equivalent with instructor consent. The equivalent of SPAN& 122 is two years in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Formulate knowledge of the diversity of the Hispanic world.
- Develop a basic knowledge of the complex relation between the USA and the Hispanic world.
- Demonstrate proficiency with the structure of the Spanish language, in particular, the needed coordination of all the elements in a sentence.
- Demonstrate proficiency in Spanish both orally and in writing using the present, the future, past and conditional tenses at a level that allows them to be understood in Spanish on daily life situations.
- Develop an understanding of the meaning and the construction of the subjunctive in Spanish.
- Demonstrate improvement in foreign language proficiency as well as intercultural competence.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SPAN 192 - Introduction to Spanish Life and Culture

Credits: 5

Students learn the various aspects of Spanish culture through the humanities. Students explore Spanish culture through history, literature and film. Explores the diverse cultural influences that have converged to influence the resulting Spanish culture of Spain. In English. Previously HUMAN 192.

Enrollment Requirement: Eligible for ENGL 99 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Gain an understanding of the diverse influences that have converged to create Spanish culture.
- Critically analyze various aspects of Spanish culture in relation to that of their own.
- Gain an awareness, understanding and appreciation of a culture different from their own.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SPAN 194 - Special Studies-Spanish

Credits: 3-5

A field course experience in which students improve their conversational Spanish within a cultural framework. Content varies each time the course is offered. Includes actual practice in the language.

Enrollment Requirement: SPAN& 121 and SPAN& 122; or instructor consent; and eligible for ENGL 99.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SPAN& 221 - Spanish IV

Credits: 5

Systematic review of Spanish grammar aimed at communicative competency at an intermediate level. Intensive practice in listening, speaking, reading, and writing with special emphasis on reading and reacting to texts that explore the diversity of the Spanish speaking world, as well as the global and local implications of gender, racial and cultural interdependence. Includes a service component through interaction with ESL and International Hispanic students.

Enrollment Requirement: Eligible for ENGL 99; and a grade of 2.0 or higher in SPAN& 123 or equivalent with instructor consent. The equivalent of SPAN& 123 is three years in high school with a grade of B or higher.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the intricate diversity of the Hispanic World including issues related to the regions, conceptualizations and social relations in the areas of religion, political and economic power and gender as compared to European/Spanish constructions.
- Explain the complex relationship between the USA and the Hispanic world.
- Communicate in Spanish both orally and in writing using the present, the future and past (both preterit and imperfect) tenses at a level that allows them to be understood in Spanish in daily life situations and that allows them to understand readings at a fairly complex level.
- Generate complex sentences using the subjunctive in Spanish.
- Understand examples of Hispanic Literature.
- Apply knowledge in designed service learning experiences that will allow them to practice their language skills in real life situations while learning with/from the ESL and international Hispanic students on campus.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SPAN& 222 - Spanish V

Credits: 5

Systematic review of Spanish grammar aimed at communicative competency at an intermediate level. Intensive practice in listening, speaking, reading, and writing with special emphasis on reading and reacting to texts that explore the diversity of the Spanish speaking world, as well as the global and local implications of gender, racial and cultural interdependence. Includes a service component through interaction with ESL and International Hispanic students.

Enrollment Requirement: Eligible for ENGL 99; and a grade of 2.0 or higher in SPAN& 221 or equivalent with instructor consent. The equivalent of SPAN& 221 is four years in high school with a grade of B or above higher.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the intricate diversity of the Hispanic World including issues related to the regions conceptualizations and social relations in the areas of religion, political and economic power and gender as compared to European/Spanish constructions.
- Explain the complex relationship between the USA and the Hispanic world.
- Develop communicative proficiency in Spanish both orally and in writing using the present, the future and past (both preterit and imperfect) tenses at a level that allows them to be understood in Spanish in daily life situations and that allows them to understand readings at a fairly complex level.
- Generate complex sentences using the subjunctive in Spanish.
- Develop a basic knowledge of Hispanic Literature.
- Participate in designed service learning experiences that will allow them to practice their language skills in real life situations while learning with/from the ESL and international Hispanic students on campus.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SPAN& 223 - Spanish VI

Credits: 5

Systematic review of Spanish grammar aimed at communicative competency at an intermediate level. Intensive practice in listening, speaking, reading, and writing with special emphasis on reading and reacting to texts that explore the diversity of the Spanish speaking world, as well as the global and local implications of gender, racial and cultural interdependence. Includes oral practice through discussion of above-mentioned materials.

Enrollment Requirement: Eligible for ENGL 99; and a grade of 2.0 or higher in SPAN& 222 or equivalent with instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate knowledge of the intricate diversity of the Hispanic World including issues related to the regions, conceptualizations and social relations in the areas of religion, political and economic power and gender as compared to European/Spanish constructions.
- Explain the complex relationship between the USA and the Hispanic world.
- Develop communicative proficiency in Spanish both orally and in writing using the present, the future and past (both preterit and imperfect) tenses at a level that allows them to be understood in Spanish in daily life situations and that allows them to understand readings at a fairly complex level.
- Produce complex sentences using the construction of the subjunctive in Spanish.
- Understand complex texts of Hispanic Literature.
- Develop cultural empathy and understanding of another way of thinking and being.
- Demonstrate an advanced intermediate proficiency level of Spanish that is considered a professional skill for the global studies concentration.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

SPAN 272 - Culturas de Espana

Credits: 5

Explores the cultural, historical and ethnographic forces influential in the development of modern Spanish culture. Explores the diverse cultural forces that forged modern demographics and cultures of Spain. Includes topics on marginalized cultures, cultural syncretism and cultural hegemony in the context of the Iberian Peninsula. Taught in the Spanish language, all lectures, readings, class discussion and assignments are in Spanish.

Enrollment Requirement: SPAN& 223 or instructor consent; and eligible for ENGL 99.

Satisfies Requirement: Humanities/Fine Arts/English

Course Fee: \$20.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret cultural and historical forces that have convalesced to produce modern Spanish Culture.
- Demonstrate the origin and significance of the many influences on Spanish and world culture by thinking critically about the artistic, cultural, historical architectural influences evident today in the country.
- Develop and demonstrate communicative competency in Spanish by investigating, studying and holding class in the target language.
- Interpret and analyze the notions of cultural hegemony, cultural syncretism and minority cultures of the Iberian peninsula.

Program Outcomes

- Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

SPAN 290 - Latin American Culture Through Literature (Spanish)

Credits: 5

Introduces the study of Latin American culture through important works of literature that explore the complex social relations and culture of the region. Analyzes how Latin American literature has reflected cultural changes throughout the history of the region such as the impact of the conquest and slavery; the influence of Patriarchy/Machismo and Marianism in gender relations; the problematic relations with the U.S., the history of dictatorship and social revolution in Latin America. Focuses on preparing students to understand Latin America to be able to function in our globalized world while practicing the Spanish language. Cross-listed with LAS 190

Enrollment Requirement: Eligible for SPAN& 223 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Comprehend the usefulness of literary works to understand Latin American societies, histories and their complex social mixture of African, European and indigenous American constructions.
- Understand the main periods of the evolution of Latin American literature and their social and political contexts throughout the history of the region.
- Connect the socio-political changes within different Latin American societies with the evolution of its literature.
- Develop critical thinking tools in Spanish to analyze the multiple identities, histories, cultures, perspectives, contributions, knowledge and/or strategies of historically excluded groups in Latin America in some of the literature they produced.
- Develop skills in Spanish to travel, work, understand, and be sensitive to our Latin American neighbors.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

SPAN 291 - Latin America in Film (Spanish)

Credits: 5

Explores the relationship between film and cultural interpretation and understanding of Latin America. Considers the history of cinema in Latin America. Focuses on how film has been used to interpret Latin American culture and how we can use it to understand Latin American past and present with special emphasis on discussing the complex history and social problems of the region. Also explores common stereotypes with which Latin America has been portrayed in mainstream U.S. movies. Knowledge of Spanish language required. Spanish 291 is cross-listed with LAS 191 and FILM 191

Enrollment Requirement: Eligible for ENGL 99 and completion of SPAN& 223; or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret and discuss in Spanish art movies that deal with cultural and historical issues relating to multiple identities, histories cultures, perspectives, contributions, knowledge, struggles and strategies of historically excluded groups in Latin America.
- Acquire a general knowledge of Latin American history and culture in Spanish.
- Identify the stereotypes with which Latin America has been portrayed in mainstream US movies and will be able to discuss their own preconceptions and/or experiences.
- Use movies as a tool for understanding complex social realities.
- Connect theoretical reading with movies while practicing Spanish.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

SPAN 292 - Latin American Women: Struggles and Literature (Spanish)

Credits: 5

Introduces the study of Latin American Women's struggles through important literature produced by Latin American women, to explore the historical construction of masculinity and femininity in the region, the role of politics and ideologies in that construction, the intersection of gender, race, class, ethnicity and nationality and the social movements that have impacted the lives of women in the region. Cross-listed with LAS 200

Enrollment Requirement: Eligible for SPAN& 223 or instructor consent.

Satisfies Requirement: Humanities/Fine Arts/English and Diversity

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss in Spanish the intersections of gender, race, politics, power, social structures and history in Latin America.
- Discuss in Spanish the relation of Latin American women's issues to the conquest and subsequent imperial dominations in the region.
- Understand the impacts of patriarchy/machismo, marianismo/malinchismo in gender relations in Latin America.
- Assess in Spanish how literature and art produced by Latin American women reflects, questions and advances the causes of women.
- Appraise the emergence of feminist ideas and organizations in Latin America, their conflicts with "First World Feminism," and their relations with non-feminist women organizations.
- Recognize and apply the basic principles and conventions of effective written communication about the subject in Spanish.
- Examine the following elements of thought: points of view, purpose, question at issue, implications and consequences, assumptions, concepts, conclusion and solutions.

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

SPAN 299 - Independent Study-Spanish

Credits: 1-5

Encourages students to study independently in a field of their special interest in Spanish. Students meet on a tutorial basis with their instructor. Course content is decided in conferences between student and instructor.

Enrollment Requirement: Eligible for ENGL 99; and a grade of 2.0 or higher in SPAN& 222 or equivalent with instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be determined by instructor based on selected course topic(s).

Program Outcomes

Analyze cultural perspectives and values of a multicultural world.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Study Skills

ST SK 103 - Study-Reading Techniques in Science

Credits: 1

Improves study-reading skills related to the sciences. Introduces students to valuable information about study-reading techniques in science and stimulating resources. This is an important skill-building course that can influence college success but does not fulfill degree requirements. Planned or concurrent enrollment in a science course is recommended. This is a pass/no credit course.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify some of the main challenges in science courses.
- Develop reading and study skills for science courses.
- Identify and use support resources in the science area and on campus.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approaches writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ST SK 106 - College Survival

Credits: 2

Provides first-time and returning students with specific skills and strategies needed to accomplish their academic goals with greater success. Through discussion, group exercises, and guest speakers, students are introduced to a variety of topics critical to student success: time management, setting priorities, learning styles, campus resources and policies, critical thinking, motivation, and test taking. This is a pass/no credit course.

Enrollment Requirement: Eligible for ENGL 97 or instructor consent.

Course Fee: \$5.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply study skills including note and test taking.
- Illustrate test taking and test anxiety coping strategies.
- Apply time management skills.
- Apply a decision making process to long and short term goal setting.
- Locate and use the college resources and services.
- Articulate career interests and abilities and apply them to develop a career plan.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approaches writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of

emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

ST SK 110 - College Success

Credits: 2

Provides students with mentors and tailored tools, strategies, and self-reflective experiences that will help them identify and develop their unique strengths while also recognizing and elevating the skills of others with varied lived experiences in order to excel personally, academically, and professionally while at Green River College (GRC) and beyond.

Course Outcomes:

Students who successfully complete this class will be able to:

- Operate confidently as a culturally aware college student on GRC's virtual and physical campuses with clear comprehension of college terms and resources, and proactive engagement with campus community.
- Demonstrate professionalism and sensitivity in face-to-face and online interactions with others including peers, staff, and faculty.
- Practice academic success strategies, including academic goal setting, syllabus literacy, time management skills, note-taking, study, and test-taking skills.
- Select several personal-toolkit and self-advocacy strategies that increase mental, physical, and emotional well-being and support healthy social and academic networks, including values exercises, time- and stress- management tools, and effective communication approaches.
- Prepare actionable short- and long-term academic and career goals with the support of key campus resources (academic, transfer, and career planning).

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approaches writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as

necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Diversity and Equity** - In order to advance equity and social justice, students will be able to examine their own and others' identities, behaviors, and/or cultural perspectives as they connect to power, privilege, and/or resistance.

ST SK 199 - Independent Study-Study Skills

Credits: 1-3

Encourages students to work on a specific study technique. The technique must increase the student's understanding and application of study technique to academic work.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop reading and study skills to address specific issues and obstacles faced by the student.

Program Outcomes

Demonstrate college-level reading skills by summarizing, analyzing, interpreting, synthesizing, and evaluating college texts; and develop an awareness of the approaches writers use for different audiences, genres, and rhetorical situations.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Transitional Studies

\$25 tuition will be charged for any combination of TS classes each quarter.

TS 1 - HS21+ Prior Learning Assessment

Credits: 1

Allows students to earn high school-level credit for prior experience or learning on an individual basis. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources.
- Integrate and present research in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 20 - Transitional Studies Academic Orientation and Planning

Credits: 1-8

In this class, you'll make connections with classmates, teachers, and staff. You'll explore available resources and prepare to transition to college programs. Building on your own strengths and support systems, we will develop academic and career goals, personal wellness strategies, and college readiness skills. Find yourself at Green River! This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Set meaningful educational and career goals.
- Demonstrate college success skills.
- Navigate and utilize the Internet for college and career purposes.
- Make use of the resources available to support your program and career success.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 24 - HS 21+-Pacific NW & Washington State History

Credits: 3-5

Examines the emergence of the modern Pacific Northwest beginning with the earliest geological creation of the region and continuing with Native American habitation, contact with Euro-Americans, the development of trade and early settlement, the development of an industrial economy, the cycle of 20th century wars and depression, and the post-World War II emergence of the Pacific Northwest. Students who successfully complete this course will earn High school 21+ credits in Washington State History.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Discuss the environmental, political, social, and economic issues that have led to the creation of the modern Pacific Northwest.
- Read important historical literature and documents to enhance their understanding of the region.
- Explore topics of current and historical interest in the region.
- Observe regional and local conditions in the historic and modern PNW through personal observation.
- Experience field experiences with other students.
- Write short papers and essay exams to refine their understanding of readings, observations, and field experiences.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 25 - HS+21-Civics and Government

Credits: 3-5

Introduces students to the American political system; its core values and principles as set forth in foundational documents, as well as its origins, institutions and operations. Includes brief treatments of political parties, historic development of American politics, civil liberties, plus taxes and budgets. Introduces students to the rights and responsibilities of citizenship and of democratic civic involvement. Students who successfully complete this course earn High School 21+ credits in Civics and Government.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the core values and principles of U.S. democracy as set forth in foundational documents, including the Declaration of Independence and the Constitution.
- Analyze the purposes and organization of governments and laws.
- Identify the rights and responsibilities of citizenship and the principles of democratic civic involvement.
- Analyze the effect of economic systems on individuals, groups, and society using basic economic concepts.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 52 - Adult Basic Math Support

Credits: 1-10

A fully integrated support course for TS 53 for Transitional Studies students. Helps students succeed in TS 53 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; concurrent enrollment in TS 53; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Predict number patterns and demonstrate operations fluency.
- Use technology tools and Green River's WAMAP assessment tool.
- Apply math to real life applications, including financial literacy, situational examples, and workplace computations.
- Use math language .
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward learning math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 53 - Adult Basic Math

Credits: 1-5

Students learn to easily select and apply the knowledge, skills, and strategies to independently accomplish well-defined and structured math tasks in a range of comfortable and familiar settings using whole numbers, decimals, and percents. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Whole number operations
- Integer operations
- Decimal operations
- Simple Order of operations
- Simple Algebraic expressions
- Fraction operations with benchmark fractions and mixed numbers

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 54 - Transitional Studies Math Review Support

Credits: 1-10

A fully integrated support course for TS 55 for Transitional Studies students. Helps students succeed in TS 55 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support.

This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; concurrent enrollment in TS 55; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe fraction and decimal relationships.
- Use navigate technology tools and Green River's WAMAP assessment tool.
- Apply math to real-life applications, including financial literacy, situational examples, and workplace computations.
- Use math language .

- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward learning math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 55 - Transitional Studies Math Review

Credits: 5-10

Students review basic operations of arithmetic including whole numbers, fractions, decimals, percents, ratios, proportions, place value, roots, and basic concepts related to measurements and geometry. Methods include use of hands-on manipulatives. Study skills incorporate into the curriculum.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
 - Linear equations
 - Equations with decimals and fractions
 - Basic statistics
 - Cartesian coordinates
 - Rates, ratios, and proportions
 - Percents
 - Roots and exponents

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.

- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 56 - TS Problem Solving for Math HS Equivalency I

Credits: 5-10

Study of problem solving, geometry and measurement, exponents and signed numbers. Includes introductory work with polynomials, simple equations, basic descriptive statistics, and graphing.

Enrollment Requirement: TS 55 or appropriate placement; and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Unit conversion
- Geometry and measurement
- Basic statistics and coordinate graphing
- Pythagorean Theorem
- Introduction to polynomials
- Complex order of operations
- Complex algebraic expressions and linear equations

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 57 - TS Problem Solving for Math HS Equivalency 2

Credits: 5-8

Study of properties and terminology of real numbers, absolute value, simplifying algebraic expressions, integer exponents, graphing and solving linear equations and inequalities, unit analysis, ratios, rates, and proportions, solving systems of equations, factoring and performing operations on polynomial expressions, Pythagorean Theorem, functions, and applications. Course requires a graphing calculator.

Enrollment Requirement: TS 56 with a grade of 2.5 or higher; or appropriate placement; or high school transcript evaluation; and instructor consent. **Recommended:** Eligible for READ 104.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Find real solutions for linear equations using tables, graphs, and algebra
- Simplify expressions involving integer exponents
- Simplify, add, subtract, and multiply polynomials
- Factor polynomial equations
- Graph linear equations
- Use functions in the form of graphs, tables, and linear equations
- Solve systems of linear equations
- Solve linear inequalities with one variable

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 58 - TS Math High School Equivalency 1 Support

Credits: 1-10

A fully integrated support course for TS 56 for Transitional Studies students. Helps students succeed in TS 56 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy,

testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; and concurrent enrollment in TS 56; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Compute variable equations and expressions.
- Use technology tools and Green River's WAMAP assessment tool.
- Apply math to real-life applications, including financial literacy, situational examples, and workplace computations.
- Use math language competencies.
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 59 - TS Math High School Equivalency 2 Support

Credits: 1-10

A fully integrated support course for TS 57 for Transitional Studies students. Helps students succeed in TS 57 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; and concurrent enrollment in TS 57; and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Compute and graph linear equations and systems of equations.

- Use technology tools and Green River's WAMAP assessment tool.
- Apply math to real-life applications, including financial literacy, situational examples, and workplace computations.
- Use math language competencies.
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward learning math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS 62 - Language Arts in Social Studies Level 2

Credits: 5-10

Introduces Level 2 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the meaning of words and phrases as they are used in a social studies text.
- Determine and summarize the organization structure and supporting details of a social studies text.
- Analyze how social studies texts make connections between ideas or compare and contrast facts.
- Use the writing process to convey ideas, concepts, explanations & research ideas with clear evidence.
- Use technology to produce and publish writing.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 63 - Language Arts in Social Studies Level 3

Credits: 5-10

Introduces Level 3 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the meaning of concepts and ideas as they are presented in a social studies text.
- Apply social studies texts to current events, making connections between ideas.
- Compare and contrast facts from historical texts.
- Explain events, procedures, ideas or concepts in a historical text.
- Use information from multiple sources to compare and contrast events, ideas, and concepts.
- Use technology to research and report on topics of historical significance.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 64 - Language Arts in Social Studies Level 4

Credits: 5-10

Introduces Level 4 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze complex sets of ideas or sequences of historical events.
- Identify aspects of a social studies text that reveal an author's point of view or purpose.
- Paraphrase and summarize social studies texts.
- Analyze textual connections among and distinctions between individuals, ideas, or events of historical significance.
- Differentiate between relevant and irrelevant historical information.
- Gather relevant historical information from multiple print and digital sources, using search terms effectively.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 65 - Language Arts in Social Studies Level 5

Credits: 5-10

Introduces Level 5 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process. Students who successfully complete this course earn 21 high school credits in social studies.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of primary and secondary sources.
- Explain how author perspective affects the telling of historical events.
- Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.
- Analyze a complex set of ideas or sequence of events to explain how individuals, ideas, or events interact and develop over the course of a text.
- Integrate quantitative or technical analysis with qualitative analysis.
- Analyze seminal U.S. documents of historical and literary significance.
- Complete a research and application project on a social studies topic.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 66 - Language Arts in Social Studies Level 6

Credits: 5-10

Introduces Level 6 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process. Students who successfully complete this course earn 21 high school credits in social studies.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of primary and secondary sources.
- Explain how author perspective affects the telling of historical events.
- Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.
- Analyze a complex set of ideas or sequence of events to explain how individuals, ideas, or events interact and develop over the course of a text.
- Integrate quantitative or technical analysis with qualitative analysis.
- Analyze seminal U.S. documents of historical and literary significance.
- Complete a research and application project on a social studies topic.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 72 - Language Arts and Literature Level 2

Credits: 5-10

Introduces Level 2 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Find key evidence and make inferences from a text.
- Determine and summarize the organization structure and supporting details of a text.
- Analyze how texts make connections between ideas or compare and contrast facts.
- Use technology to produce and publish writing.
- Write a 5-sentence paragraph including topic sentence, supporting details, and a conclusion.
- Demonstrate exact sentence structure including capitalization, grammar, and punctuation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 73 - Language Arts and Literature Level 3

Credits: 5-10

Introduces Level 3 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Locate, refer to and quote key details and examples from a text.
- Determine the meaning of general academic and domain-specific words and phrases.
- Determine and summarize the main idea or theme of a story, drama or poem.
- Use the writing process to convey opinions, explanation, stories & research.
- Use technology to research and report on topics.
- Write an 8-sentence paragraph incorporating topic sentence, supporting details, evidence from text, and conclusion.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 74 - Language Arts and Literature Level 4

Credits: 5-10

Introduces Level 4 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough evidence and inferences from a text.
- Determine and summarize the theme, development and conclusion of a fiction or nonfiction text.
- Analyze and evaluate an author's claim and the effectiveness of the structure of a text.
- Use the writing process to convey ideas, concepts, explanations & research.
- Use technology to produce, publish, and revise writing products.
- Write a three paragraph essay, including introductory paragraph, body paragraph with supporting evidence, and a conclusion paragraph.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 75 - Language Arts and Literature Level 5

Credits: 5-10

Introduces Level 5 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. Students who successfully complete this course earn 21 high school credits in English.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine the theme or central idea of a text and analyze in detail its development over the course of the text.

- Interpret figurative, connotative, and technical language.
- Write arguments to support claims with clear reasons and relevant evidence from multiple sources.
- Assess the credibility and accuracy of sources.
- Write a minimum of 5-paragraph research essay to answer a question, incorporating several sources to draw an original conclusion.
- Avoid plagiarism by following a standard format for citation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 76 - Language Arts and Literature Level 6-1

Credits: 5-10

Introduces Level 6 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. Students who successfully complete this course earn High School 21+ credits in English.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine the theme or central idea of a text and analyze in detail its development over the course of the text.
- Interpret figurative, connotative, and technical language.
- Write arguments to support claims with clear reasons and relevant evidence from multiple sources.

- Assess the credibility and accuracy of sources.
- Write a minimum of 5-paragraph research essay to answer a question, incorporating several sources to draw an original conclusion.
- Avoid plagiarism by following a standard format for citation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 77 - Language Arts and Literature Level 6-2

Credits: 5-10

Introduces Level 6 students to take an additional course studying the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. Students who successfully complete this course earn High School 21+ credits in English.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine the theme or central idea of a text and analyze in detail its development over the course of the text.
- Interpret figurative, connotative, and technical language.
- Write arguments to support claims with clear reasons and relevant evidence from multiple sources.
- Assess the credibility and accuracy of sources.

- Write a minimum of 5-paragraph research essay to answer a question, incorporating several sources to draw an original conclusion.
- Avoid plagiarism by following a standard format for citation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 82 - Language Arts in Physical Science Level 2

Credits: 5-10

Introduces Level 2 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of physics, chemistry, astronomy and earth science.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the meaning of words and phrases as they are used in a science text.
- Determine and summarize the organization structure and supporting details of a science text.
- Analyze how science texts make connections between ideas or compare and contrast facts.
- Use the writing process to convey ideas, concepts, explanations & research ideas with clear evidence.
- Use technology to produce and publish writing.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 83 - Language Arts in Physical Science Level 3

Credits: 5-10

Introduces Level 3 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of physics, chemistry, astronomy and earth science.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Find specific evidence to support analysis of science and technical texts.
- Determine the meaning of concepts and ideas as they are presented in a scientific texts, charts, and graphs.
- Apply the steps of the scientific method to everyday situations as well as laboratory investigations.
- Explain events, procedures, ideas or concepts in a scientific or technical text.
- Use technology to research and report on topics of scientific significance.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 84 - Language Arts in Physical Science Level 4

Credits: 5-10

Introduces Level 4 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of physics, chemistry, astronomy and earth science. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of science and technical texts.
- Make connections using multiple sources to compare and contrast scientific events, ideas, and concepts.
- Apply scientific thinking to solve a problem.
- Identify aspects of a text that reveal an author's point of view or bias.
- Paraphrase and summarize texts.
- Differentiate between opinion and fact in scientific information.
- Gather relevant historical information from multiple print and digital sources.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 85 - Language Arts in Science Level 5

Credits: 5-10

Introduces Level 5 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of life, physics, chemistry, astronomy or earth science. Students who successfully complete this course earn High School 21+ credits in science OR lab science.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of science and technical texts.
- Apply the steps of the scientific method to solve a problem.
- Critique information from various sources to determine if the information is scientific and credible.
- Demonstrate basic lab skills through the collection, synthesis, and analysis of data.
- Write arguments on science topics using valid reasoning, relevant information, and sufficient evidence.
- Summarize complex concepts, processes, or information presented in science texts.
- Complete a research and application project on a scientific topic applying the scientific method.
- Analyze and report on data drawn from the material world using the tools, data collection techniques, models and theories of science.
- Integrate quantitative or technical analysis with qualitative analysis.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is

designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 86 - Language Arts in Science Level 6

Credits: 5-10

Introduces Level 6 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of life, physics, chemistry, astronomy or earth science. Students who successfully complete this course earn High School 21+ credits in science OR lab science.

Enrollment Requirement: Appropriate placement and instructor consent.

Course Fee: \$3.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the central ideas or conclusions of a text.
- Summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.
- Analyze a complex set of ideas or sequence of events and explain how specific individuals, ideas, or events interact and develop over the course of the text.
- Analyze and evaluate the effectiveness of the structure an author uses in his or her exposition or argument, including whether the structure makes points clear, convincing, and engaging.
- Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.
- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Draw evidence from literary or informational texts to support analysis, reflection, and research.
- Analyze and report on data gained from direct interaction with the material world, or with data drawn from the material world, using the tools, data collection techniques, models and theories of science.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 92 - HS21+ Prior Learning Assessment-Health & Fitness

Credits: 1-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in health & fitness, accompanied by a reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims on health and fitness using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts on health and fitness to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources on a health and fitness topic.
- Integrate and present research on health and fitness in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 93 - HS21+ Prior Learning Assessment-Art

Credits: 1-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in art, including student-created art samples accompanied by artist statements or a research paper on other artists' work. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims on art using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts on art to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources on an art topic.
- Integrate and present research on art in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 94 - HS21+ Prior Learning Assessment-Occupational Ed

Credits: 1-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in occupational education, accompanied by a reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims on occupational education using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts on occupational education to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources on an occupational education topic.
- Integrate and present research on art in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 95 - HS 21+ Prior Learning Assessment 1

Credits: 5-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in question, including but not limited to health and fitness, occupational education and fine arts, accompanied by a 2-page (750 word) reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources.
- Integrate and present research in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 96 - HS 21+ Prior Learning Assessment 2

Credits: 5-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in question, including but not limited to health and fitness, occupational education and fine arts, accompanied by a 2-page (750 word) reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources.
- Integrate and present research in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS 97 - Transitional Studies World Languages PLA

Credits: 5-20

This course awards prior learning credit for high school World Languages based on

student's ability to demonstrate competency via assessment. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate at least novice mid-level of proficiency in World Language communication skills (listening, speaking, reading, and writing), determined through the guidelines set up by the American Council on the Teaching of Foreign Languages (ACTFL).

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Transitional Studies-Open Doors

TS-OD 1 - Open Doors-Prior Learning Assessment

Credits: 1

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in question.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources.
- Integrate and present research in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses

and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 20 - Academic Orientation and Planning for Open Doors

Credits: 1-8

In this class, you'll make connections with classmates, teachers, and staff. You'll explore available resources and prepare to successfully transition to college programs and/or careers. Building on your own strengths and support systems, we will develop academic and career goals, personal wellness strategies, and college readiness skills, including skills needed for success on standardized tests, such as the GED®. Find yourself at Green River! This is a pass/no credit course.

Enrollment Requirement: Instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and implement strategies for answering typical standardized test questions (multiple choice, short answer, and essay).
- Effectively evaluate standardized test results and make adjustments that improve subsequent test results.
- Practice academic and life success strategies, including academic and career goal setting and applying motivational strategies to support academic and career goals.
- Demonstrate professionalism and active learning in an in-person and/or online classroom environment through effective and meaningful participation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 52 - Open Doors Adult Basic Math Support

Credits: 1-10

A fully integrated support course for TS-OD 53 for Open Doors students. Helps students succeed in TS-OD 53 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; and concurrent enrollment in TS-OD 53; and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Predict number patterns and demonstrate operations fluency.
- Use navigate technology tools and Green River's WAMAP assessment tool.
- Apply math to real-life applications, including financial literacy, situational examples, and workplace computations.
- Use math language.
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward learning math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 53 - Open Doors Adult Basic Math

Credits: 1-5

Students learn to easily select and apply the knowledge, skills, and strategies to independently accomplish well-defined and structured math tasks in a range of comfortable and familiar settings using whole numbers, decimals, and percents. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Whole number operations
- Integer operations
- Decimal operations
- Simple Order of operations
- Simple Algebraic expressions
- Fraction operations with benchmark fractions and mixed numbers

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 54 - Open Doors Math Review Support

Credits: 1-10

A fully integrated support course for TS-OD 55 for Transitional Studies students. Helps students succeed in TS-OD 55 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; and concurrent enrollment in TS-OD 55; and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe fraction and decimal relationships.
- Use technology tools and Green River's WAMAP assessment tool.
- Apply math to real-life applications, including financial literacy, situational examples, and workplace computations.
- Use math language.
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward learning math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 55 - Open Doors Math Review

Credits: 5-10

Students review basic operations of arithmetic including whole numbers, fractions, decimals, percents, ratios, proportions, place value, roots, and basic concepts related to measurements and geometry. Methods include use of hands-on manipulatives. Study skills incorporate into the curriculum.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Linear equations
- Equations with decimals and fractions
- Basic statistics
- Cartesian coordinates
- Rates, ratios, and proportions
- Percents
- Roots and exponents

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 56 - OD Math High School Equivalency 1

Credits: 5-10

Study of problem solving, geometry and measurement, exponents and signed numbers. Includes introductory work with polynomials, simple equations, basic descriptive statistics, and graphing.

Enrollment Requirement: Appropriate placement or high school transcript evaluation; and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Unit conversion
- Geometry and measurement
- Basic statistics and coordinate graphing
- Pythagorean Theorem
- Introduction to polynomials
- Complex order of operations
- Complex algebraic expressions and linear equations

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 57 - OD Math High School Equivalency 2

Credits: 5-8

Expands student's algebraic skills in order to achieve a wide range of career, educational and personal goals. Content is delivered in a lecture format and includes evaluation and calculation of algebraic expressions and equations, inequalities, polynomials, systems of equations, and graphing. Emphasizes perseverance by building strategies based on past experience, algebraic skills, and numerical relationships.

Enrollment Requirement: TS-OD 56 with a grade of 2.5 or higher; or appropriate placement; or high school transcript evaluation; and instructor consent. Students must be admitted through Open Doors. **Recommended:** Eligible for READ 104.

Course Outcomes:

Students who successfully complete this class will be able to:

- Read, write, and interpret a variety of common mathematical information about:
- Find real solutions for linear equations using tables, graphs, and algebra
- Simplify expressions involving integer exponents
- Simplify, add, subtract, and multiply polynomials
- Factor polynomial equations
- Graph linear equations
- Use functions in the form of graphs, tables, and linear equations
- Solve systems of linear equations
- Solve linear inequalities with one variable

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 58 - OD Math High School Equivalency 1 Support

Credits: 1-10

A fully integrated support course for TS-OD 56 for Transitional Studies students. Helps students succeed in TS-OD 56 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; and concurrent enrollment in TS-OD 56; and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Compute variable equations and expressions.
- Use navigate technology tools and Green River's WAMAP assessment tool.
- Apply math to real life applications, including financial literacy, situational examples, and workplace computations.
- Use math language competencies.
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating growth mindset toward math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 59 - OD Math High School Equivalency 2 Support

Credits: 1-10

A fully integrated support course for TS-OD 57 for Transitional Studies students. Helps students succeed in TS-OD 57 by providing additional coaching in critical thinking skills, time management, and study skills. Provides enhanced instruction in computer literacy, testing literacy, math language skills, college and career math readiness, integrating on-campus resources for additional support. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement; and concurrent enrollment in TS-OD 57; and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Compute and graph linear equations and systems of equations.
- Use technology tools and Green River's WAMAP assessment tool.

- Apply math to real-life applications, including financial literacy, situational examples, and workplace computations.
- Use math language competencies.
- Analyze math formulas and texts.
- Illustrate math resiliency (demonstrating a growth mindset toward math).

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

TS-OD 64 - Language Arts in Social Studies Level 4 Open Doors

Credits: 5-10

Introduces Level 4 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze complex sets of ideas or sequences of historical events.
- Identify aspects of a social studies text that reveal an author's point of view or purpose.
- Paraphrase and summarize social studies texts.
- Analyze textual connections among and distinctions between individuals, ideas, or events of historical significance.
- Differentiate between relevant and irrelevant historical information.
- Gather relevant historical information from multiple print and digital sources, using search terms effectively.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 65 - Language Arts in Social Studies Level 5 Open Doors

Credits: 5-10

Introduces Level 5 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process. Students who successfully complete this course earn High School 21+ credits in social studies.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of primary and secondary sources.
- Explain how author perspective affects the telling of historical events.
- Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.
- Analyze a complex set of ideas or sequence of events to explain how individuals, ideas, or events interact and develop over the course of a text.
- Integrate quantitative or technical analysis with qualitative analysis.
- Analyze seminal U.S. documents of historical and literary significance.
- Complete a research and application project on a social studies topic.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.

- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 66 - Language Arts in Social Studies Level 6 Open Doors

Credits: 5-10

Introduces Level 6 students to the basic principles of civics and government, US history, economics, geography, or current world problems. Students practice critical reading skills in the context of social studies-related texts. Students demonstrate analysis and understanding of social studies readings and concepts through the writing process. Students who successfully complete this course earn High School 21+ credits in social studies.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of primary and secondary sources.
- Explain how author perspective affects the telling of historical events.
- Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.
- Analyze a complex set of ideas or sequence of events to explain how individuals, ideas, or events interact and develop over the course of a text.
- Integrate quantitative or technical analysis with qualitative analysis.
- Analyze seminal U.S. documents of historical and literary significance.
- Complete a research and application project on a social studies topic.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 72 - Open Doors Language Arts and Literature Level 2

Credits: 5-10

Introduces Level 2 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process.

Enrollment Requirement: Appropriate placement and instructor's permission. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Find key evidence and make inferences from a text.
- Determine and summarize the organizational structure and supporting details of a text.
- Analyze how texts make connections between ideas or compare and contrast facts.
- Use technology to produce and publish writing.
- Write a 5-sentence paragraph including topic sentence, supporting details, and a conclusion.
- Demonstrate exact sentence structure including capitalization, grammar, and punctuation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 73 - Open Doors Language Arts and Literature Level 3

Credits: 5-10

Introduces Level 3 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process.

Enrollment Requirement: Appropriate placement and instructor's permission. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Locate, refer to and quote key details and examples from a text.
- Determine the meaning of general academic and domain-specific words and phrases.
- Determine and summarize the main idea or theme of a story, drama or poem.
- Use the writing process to convey opinions, explanation, stories & research.
- Use technology to research and report on topics.
- Write an 8-sentence paragraph incorporating topic sentence, supporting details, evidence from text, and conclusion.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 74 - Language Arts and Literature Level 4 Open Doors

Credits: 5-10

Introduces Level 4 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical

reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough evidence and inferences from a text.
- Determine and summarize the theme, development and conclusion of a fiction or nonfiction text.
- Analyze and evaluate an author's claim and the effectiveness of the structure of a text.
- Use the writing process to convey ideas, concepts, explanations & research.
- Use technology to produce, publish, and revise writing products.
- Write a three paragraph essay, including introductory paragraph, body paragraph with supporting evidence, and a conclusion paragraph.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 75 - Language Arts and Literature Level 5 Open Doors

Credits: 5-10

Introduces Level 5 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. Students who successfully complete this course earn High School 21+ credits in English.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine the theme or central idea of a text and analyze in detail its development over the course of the text.
- Interpret figurative, connotative, and technical language.
- Write arguments to support claims with clear reasons and relevant evidence from multiple sources.
- Assess the credibility and accuracy of sources.
- Write a minimum of 5-paragraph research essay to answer a question, incorporating several sources to draw an original conclusion.
- Avoid plagiarism by following a standard format for citation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 76 - Language Arts & Literature Level 6 Open Doors-1

Credits: 5-10

Introduces Level 6 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. Students who successfully complete this course earn High School 21+ credits in English.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine the theme or central idea of a text and analyze in detail its development over the course of the text.
- Interpret figurative, connotative, and technical language.
- Write arguments to support claims with clear reasons and relevant evidence from multiple sources.
- Assess the credibility and accuracy of sources.
- Write a minimum of 5-paragraph research essay to answer a question, incorporating several sources to draw an original conclusion.
- Avoid plagiarism by following a standard format for citation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 77 - Language Arts and Lit Level 6 Open Doors-2

Credits: 5-10

Introduces Level 6 students to the basic principles of the mechanics of writing and strategies to develop and organize complex ideas in writing. Students practice critical reading skills and demonstrate understanding of a variety of texts, including fiction, nonfiction, and informational through the writing process. Students who successfully complete this course earn High School 21+ credits in English.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

- Determine the theme or central idea of a text and analyze in detail its development over the course of the text.
- Interpret figurative, connotative, and technical language.
- Write arguments to support claims with clear reasons and relevant evidence from multiple sources.
- Assess the credibility and accuracy of sources.
- Write a minimum of 5-paragraph research essay to answer a question, incorporating several sources to draw an original conclusion.
- Avoid plagiarism by following a standard format for citation.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 84 - Language Arts in Physical Science Level 4 Open Doors

Credits: 5-10

Introduces Level 4 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of physics, chemistry, astronomy and earth science. This is a pass/no credit course.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of science and technical texts.
- Make connections using multiple sources to compare and contrast scientific events, ideas, and concepts.
- Apply scientific thinking to solve a problem.
- Identify aspects of a text that reveal an author's point of view or bias.

- Paraphrase and summarize texts.
- Differentiate between opinion and fact in scientific information.
- Gather relevant historical information from multiple print and digital sources.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 85 - Language Arts in Science Level 5 Open Doors

Credits: 5-10

Introduces Level 5 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of life, physics, chemistry, astronomy or earth science. Students who successfully complete this course earn High School 21+ credits in science OR lab science.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Cite specific textual evidence to support analysis of science and technical texts.
- Apply the steps of the scientific method to solve a problem.
- Critique information from various sources to determine if the information is scientific and credible.
- Demonstrate basic lab skills through the collection, synthesis, and analysis of data.
- Write arguments on science topics using valid reasoning, relevant information, and sufficient evidence.
- Summarize complex concepts, processes, or information presented in science texts.
- Complete a research and application project on a scientific topic applying the scientific method.

- Analyze and report on data drawn from the material world using the tools, data collection techniques, models and theories of science.
- Integrate quantitative or technical analysis with qualitative analysis.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 86 - Language Arts in Science Level 6 Open Doors

Credits: 5-10

Introduces Level 6 students to the basic principles of science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of life, physics, chemistry, astronomy or earth science. Students who successfully complete this course earn High School 21+ credits in science OR lab science.

Enrollment Requirement: Appropriate placement and instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.
- Analyze a complex set of ideas or sequence of events and explain how specific individuals, ideas, or events interact and develop over the course of the text.
- Analyze and evaluate the effectiveness of the structure an author uses in his or her exposition or argument, including whether the structure makes points clear, convincing, and engaging.
- Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.

- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Draw evidence from literary or informational texts to support analysis, reflection, and research.
- Analyze and report on data gained from direct interaction with the material world, or with data drawn from the material world, using the tools, data collection techniques, models and theories of science.

Program Outcomes

- Demonstrate college-ready level reading, writing, digital literacy, and communication skills in social studies, literature, and science.
- Demonstrate competency in college-ready level mathematics.
- Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 92 - HS21+ Open Doors PLA-Health & Fitness

Credits: 1-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in health & fitness, accompanied by a reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims on health and fitness using valid reasoning and relevant and sufficient evidence.

- Write informative/explanatory texts on health and fitness to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources on a health and fitness topic.
- Integrate and present research on health and fitness in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 93 - HS21+ Open Doors Prior Learning Assessment-Art

Credits: 1-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in art, including student-created art samples accompanied by artist statements or a research paper on other artists' work. This is a pass/no credit course.

Enrollment Requirement: Instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims on art using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts on art to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources on an art topic.
- Integrate and present research on art in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 94 - HS21+ Open Doors PLA - Occupational Ed

Credits: 1-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in occupational education, accompanied by a reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims on occupational education using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts on occupational education to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources on an occupational education topic.
- Integrate and present research on art in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 95 - Open Doors-Prior Learning Assessment 1

Credits: 5-30

Allows Open Doors students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in question, including but not limited to health and fitness, occupational education and fine arts, accompanied by a 2-page (750 word) reflection, written by the student/applicant, that describes the importance of this skill and why it should be considered for high school credit. This is a pass/no credit course.

Enrollment Requirement: Instructor consent. Students must be admitted through Open Doors.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources.
- Integrate and present research in an effective format.
- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 96 - Open Doors-Prior Learning Assessment 2

Credits: 5-20

Allows students to earn high school-level credit for prior experience or learning on an individual basis. Involves documentation of the skill or training in question. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Write arguments to support claims using valid reasoning and relevant and sufficient evidence.
- Write informative/explanatory texts to convey complex ideas, concepts, and information clearly and accurately.

OR

- Gather relevant information from multiple sources.
- Integrate and present research in an effective format.

- Avoid plagiarism by following a standard format of citation.

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

TS-OD 97 - Open Doors World Languages PLA

Credits: 5-20

This course awards prior learning credit for high school World Languages based on student's ability to demonstrate competency via assessment. This is a pass/no credit course.

Enrollment Requirement: Instructor consent. Students must be admitted through Open Doors

Course Outcomes:

Students who successfully complete this class will be able to:

- Demonstrate at least novice mid-level of proficiency in World Language communication skills (listening, speaking, reading, and writing), determined through the guidelines set up by the American Council on the Teaching of Foreign Languages (ACTFL).

Program Outcomes

Demonstrate the skills necessary for successful transition to college credit courses and/or living wage employment.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Wastewater Technology

WWT 172 - Industrial Wastewater Instrumentation

Credits: 1

Covers basic concepts and industry practices regarding wastewater treatment instrumentation measuring systems and their associated control systems.

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the purpose and nature of measurement and control systems.
- Recognize types of sensors and transducers.
- Read instruments and apply the information to industrial wastewater treatment processes.
- Identify measurement and control system problems.
- Operate treatment process support equipment
- electronic testing equipment
- flow measurement devices
- Evaluate treatment processes using SCADA systems.

Program Outcomes

- Monitor physical/chemical industrial wastewater treatment processes.
- Evaluate physical/chemical industrial wastewater treatment processes.
- Adjust physical/chemical industrial wastewater treatment processes.
- Add chemicals to industrial wastewater treatment processes.
- Collect samples for industrial wastewater treatment processes.
- Perform laboratory analysis of samples.
- Interpret analysis of sample data.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WWT 174 - Industrial Wastewater Regulations

Credits: 1

Covers water pollution control statutes and regulations that concern industrial facilities which discharge directly to the environment or to publicly owned wastewater collection systems and treatment plants.

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe portions of the Clean Water Act that impact industrial wastewater treatment.
- Describe the role of the Environmental Protection Agency in pollution control efforts.
- Describe the types of industrial dischargers regulated by the National Pollutant Discharge Elimination System permit system, the National Pretreatment Program, the categorical pretreatment program, and other federal programs.
- Explain the role of local authorities in control of pollutants.
- Demonstrate knowledge of legal liability.
- Explain the role of local codes and ordinances in the National Pretreatment Program.
- Demonstrate knowledge of regulations for direct and indirect dischargers.
- Interpret monitoring and reporting requirements.

Program Outcomes

- Monitor physical/chemical industrial wastewater treatment processes.
- Evaluate physical/chemical industrial wastewater treatment processes.
- Adjust physical/chemical industrial wastewater treatment processes.
- Add chemicals to industrial wastewater treatment processes.
- Collect samples for industrial wastewater treatment processes.
- Perform laboratory analysis of samples.
- Interpret analysis of sample data.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WWT 175 - Industrial Wastewater Treatment Processes 1

Credits: 2

Focuses on the operation of industrial wastewater pretreatment facilities and industrial wastewater treatment facilities discharging directly to the environment (with NPDES permits). Introduces industrial wastewater variables, components, effects and generation. Covers treatment processes including preliminary treatment (flow equalization, screening, pH adjustment), and physical treatment (air stripping, carbon absorption).

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe industrial wastewater variables, components, effects and generation.
- Describe theory and operational considerations of typical physical/chemical industrial wastewater treatment processes.
- Flow equalization
- Screening
- Dissolved air flotation
- Air stripping
- Electrodialysis
- Carbon adsorption
- Cyanide destruction
- Metal hydroxide precipitation
- Oil separation
- Perform process control calculations.
- Adjust physical/chemical industrial wastewater treatment processes.
- Add chemicals to industrial wastewater treatment processes.
- Collect samples for industrial wastewater treatment processes.

Program Outcomes

- Monitor physical/chemical industrial wastewater treatment processes.
- Evaluate physical/chemical industrial wastewater treatment processes.
- Adjust physical/chemical industrial wastewater treatment processes.
- Add chemicals to industrial wastewater treatment processes.
- Collect samples for industrial wastewater treatment processes.
- Perform laboratory analysis of samples.
- Interpret analysis of sample data.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WWT 176 - Industrial Wastewater Treatment Processes 2

Credits: 2

A continuation of WWT 175. Covers treatment processes including physical chemical (coagulation, flocculation and sedimentation), filtration, and treatment of metal waste streams.

Course Outcomes:

Students who successfully complete this class will be able to:

- Characterize industrial wastewater, including variables, components, effects and generation.
- Describe theory and operational consideration of typical industrial wastewater treatment processes.
- Perform related calculations.

Program Outcomes

- Monitor physical/chemical industrial wastewater treatment processes.
- Evaluate physical/chemical industrial wastewater treatment processes.
- Adjust physical/chemical industrial wastewater treatment processes.
- Add chemicals to industrial wastewater treatment processes.
- Collect samples for industrial wastewater treatment processes.
- Perform laboratory analysis of samples.
- Interpret analysis of sample data.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WWT 177 - Wastewater Work Experience

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Fee: \$80.00 per unit/credit

Course Outcomes:

Student and instructor will agree upon specific course content learning outcomes and assessment instruments and will state them in the Cooperative Education Training Agreement.

Program Outcomes

- Identify characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of basic laboratory analyses used to monitor municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

WWT 180 - Wastewater Collection

Credits: 3

Topics include composition and sources of wastewater; purposes of wastewater collection systems; wastewater collection system components including preliminary treatment, piping systems and lift stations; wastewater collection system operation and maintenance including inspecting, testing, and cleaning; normal and abnormal operating conditions.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify parts of a wastewater collection system.
- Identify equipment used during maintenance of wastewater collection system.
- Describe standard operating procedures within a wastewater collection system.
- Describe indicators of normal and abnormal conditions in a wastewater collection system.

Program Outcomes

- Identify characteristics of wastewater conveyed and treated in municipal wastewater collection systems.
- Monitor, evaluate and adjust processes used in municipal wastewater collection systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal wastewater collection systems.
- Apply appropriate safety procedures to operation of municipal wastewater collection systems.
- Perform supporting administrative duties for municipal wastewater collection systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WWT 185 - Municipal Wastewater Treatment 1

Credits: 3

Gives an overview of the purpose, operation and maintenance of municipal wastewater treatment plant processes including preliminary treatment, primary treatment, trickling filters and rotating biological contractors.

Enrollment Requirement: MATH 72, MATH 97 or eligible for MATH 97; ENGL 99 or ENGL& 101 or eligible for ENGL 99.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe sources and characteristics of wastewater.
- Interpret regulations affecting operation of wastewater treatment plants.
- Describe the purpose and operation of wastewater treatment process units.
- Perform calculations related to process control of wastewater treatment processes.

Program Outcomes

- Identify characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of basic laboratory analyses used to monitor municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WWT 186 - Municipal Wastewater Treatment 2

Credits: 3

Gives an overview of the purpose, operation and maintenance of municipal wastewater treatment activated sludge and stabilization pond processes. Covers solids processes including thickening, anaerobic digestion, aerobic digestion and dewatering.

Enrollment Requirement: WWT 185

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret regulations affecting operation of wastewater treatment plants.
- Describe the purpose and operation of wastewater treatment process units.
- Perform calculations related to process control of wastewater treatment processes.

Program Outcomes

- Monitor, evaluate and adjust processes used in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal wastewater collection and wastewater treatment systems.

- Collect samples for, perform and interpret results of basic laboratory analyses used to monitor municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WWT 188 - Wastewater Laboratory

Credits: 2

Covers theory, performance, and interpretation of basic wastewater laboratory procedures used to assess water quality. Topics include safety, total solids, dissolved oxygen, biochemical oxygen demand, pH, fecal coliform, and chlorine residual.

Course Fee: \$360.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define terms as they apply to basic wastewater laboratory testing.
- Safe conduct and handling of equipment and chemicals.
- Identify lab equipment, chemicals, glassware.
- Demonstrate understanding of basic wastewater laboratory practices.
- Perform basic wastewater laboratory testing.
- Perform calculations related to basic wastewater laboratory testing.

Program Outcomes

- Identify characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of basic laboratory analyses used to monitor municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WWT 199 - Independent Study-Wastewater Technology

Credits: 1-5

Allows students to investigate an area of interest in the wastewater technology field with the guidance of an instructor, using a learning contract.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Identify characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of basic laboratory analyses used to monitor municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Critical Thinking** - Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Water Supply Technology

WST 177 - Wastewater Cooperative Education

Credits: 1-12

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer. This is a pass/no credit course.

Enrollment Requirement: Instructor consent.

Course Fee: \$80.00 per credit

Course Outcomes:

Student and instructor will agree upon specific course content learning outcomes and assessment instruments and will state them in the Cooperative Education Training Agreement.

Program Outcomes

- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

WST 180 - Water Distribution

Credits: 3

Covers components of a water distribution system, operation and maintenance procedures for a water distribution system and normal and abnormal conditions in water distribution systems.

Enrollment Requirement: ENGL 99, ENGL& 101 or eligible for ENGL 99.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Interpret water distribution system pressure data.
- Assess water system production capacity to meet demand.
- Interpret designs used for water distribution projects.
- Describe the purpose and function of backflow prevention and control devices.
- Implement a cross connection control program.
- Describe maintenance activities related to the following distribution system components.
 - Mains and related equipment (hydrants and valves)
 - Metering and related equipment
 - Describe the process to Install and repair water lines.
 - Service lines
 - Water mains
 - Explain the process to inspect and clean finished water storage facilities.
 - Implement distribution system flushing.
 - Implement a leak detection program (e.g., survey, testing meters, water loss audit).
 - Demonstrate the ability to read water meters.

Program Outcomes

- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WST 183 - Water Sources

Credits: 1

Provides basic information related to water sources used for public drinking water systems. Includes water supply hydrology, groundwater sources, surface water sources and water source protection.

Enrollment Requirement: ENGL 99, ENGL& 101 or eligible for ENGL 99.

Course Fee: \$200.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Summarize the aspects of water hydrology that influence water supplies.
- Identify groundwater sources and explain they are developed for use as public water supplies.
- Perform inspections of ground water well sites and report any issues that may affect water quality (e.g., contamination, flooding, well head protection) .
- Measure static water level and pumping levels of wells.
- Determine if wells are under the direct influence of surface water (GWI) .
- Identify surface water sources and explain how they are developed for use as public water supplies.
- Explain the purpose and elements of water supply source contingency planning.
- Summarize the major categories of water use and the major factors that cause variations in water use in a public water system.
- Summarize the factors involved in supply management and demand management.
- Compare the various legal bases for water rights and the allocation of surface water and groundwater.
- Explain the fundamental principles involved in water source protection.

Program Outcomes

- Identify characteristics of source water used to provide public drinking water through municipal water distribution and water treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WST 184 - Water Regulations

Credits: 2

Provides an overview of federal and state drinking water regulations including a brief history and the structure of the Safe Drinking Water Act. Reviews current drinking water regulations. Identifies water quality parameters addressed in drinking water regulations. Covers operator certification.

Enrollment Requirement: ENGL 99, ENGL& 101 or eligible for ENGL 99.

Course Fee: \$350.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the public water supply regulations in the U.S.
- Demonstrate knowledge of water quality standards.
- Determine if water quality violations have occurred.
- Demonstrate knowledge of monitoring and reporting requirements.
- Evaluate water quality to determine compliance with regulatory agency standards.
- Implement public notification when reportable MCLs are exceeded.
- Summarize the purpose and requirements of consumer confidence reports.
- Demonstrate knowledge of record keeping function, policies, and requirements.
- Demonstrate knowledge of rules and regulations within the Safe Drinking Water Act
- Surface Water Treatment Rule
- Lead and Copper Rule
- Disinfectants/Disinfection By-Products Rule
- Total Coliform Rule
- Unregulated contaminants
- Explain the operator certification requirements under the Washington waterworks operator certification program.

Program Outcomes

- Identify characteristics of source water used to provide public drinking water through municipal water distribution and water treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.
- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.
- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WST 185 - Water Treatment 1

Credits: 3

Covers public drinking water treatment processes, theory, operation and maintenance. Processes include preliminary treatment, coagulation, flocculation, sedimentation and filtration.

Enrollment Requirement: MATH 72, MATH 97 or eligible for MATH 97, and ENGL 99, ENGL& 101, or eligible for ENGL 99.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate the biological, chemical, and physical characteristics of the water source.
- Perform water quality inspections of surface water sources (e.g., non-native plant species, mussels, algae, erosion).
- Control water treatment plant process, chemical dosages, and equipment used to treat water.
- Calculate chemical dosages, filter performance data, backwash water, and residuals.
- Identify trends and abnormal operation in plant processes by interpreting data from gauges, meters, charts, and graphs.
- Make appropriate changes in plant processes to optimize performance and efficiency.
- Monitor filter performance and backwash filters
- Monitor, evaluate, and adjust:

- Pretreatment
- Coagulation and flocculation
- Clarification and sedimentation
- Residuals disposal
- Backwash aids
- Source water treatment
- Analyze filter media to determine compliance with design specifications.
- Ensure the operation and maintenance of equipment at the water treatment facility:
- Chlorine disinfection system
- Filter systems
- Clarifier
- Clearwell
- Raw water screening
- Determine correct disinfection dosage and contact time.

Program Outcomes

- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WST 186 - Water Treatment 2

Credits: 3

A continuation of WST 185. Processes include fluoridation, control of corrosion and scaling, iron and manganese control, lime softening, ion exchange processes, absorption, aeration, and membrane processes.

Enrollment Requirement: WST 185.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Evaluate the biological, chemical, and physical characteristics of the source water characteristics.
- Monitor, evaluate, and adjust the following treatment processes:
 - Membrane filtration and reverse osmosis
 - Iron/manganese treatment
 - Lime-soda ash softening
 - Granular and powdered activated carbon
 - Ion exchange
 - Corrosion control
 - Fluoridation
- Control water treatment plant process, chemical dosages, and equipment used to treat water.
- Calculate chemical dosages, filter performance data, backwash water, and residuals.
- Identify trends and abnormal operation in plant processes by interpreting data from gauges, meters, charts, and graphs.
- Make appropriate changes in plant processes to optimize performance and efficiency.
- Ensure the proper handling, storage, and use of chemicals:
 - Acids
 - Bases
 - Oxidants
 - Coagulants
 - Polymers
 - Fluoride
 - Corrosion control chemicals

Program Outcomes

- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WST 188 - Water Laboratory

Credits: 2

Uses theory, performance, and interpretation of basic water laboratory procedures to assess water quality. Topics include safety, sampling, alkalinity, hardness, pH, coliform, jar testing, turbidity, chlorine residual, and advanced water testing procedures.

Course Fee: \$350.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define terms as they apply to basic water laboratory testing.
- Handle and conduct equipment and chemicals safely.
- Identify lab equipment, chemicals, glassware.
- Demonstrate understanding of basic water laboratory practices.
- Perform basic water laboratory testing using equipment to evaluate water quality.
- Perform calculations related to basic water laboratory testing.
- Perform calibration of laboratory instrumentation to ensure proper operation.
- Collect water samples according to standardized methods.
- Perform sample preservation and documentation for laboratory samples.
- Perform lab tests, record results, and interpret data.

Program Outcomes

- Identify characteristics of source water used to provide public drinking water through municipal water distribution and water treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WST 199 - Independent Study-Water Supply Technology

Credits: 1-5

Allows students to investigate an area of interest in the water supply technology field with the guidance of an instructor using a learning contract.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Identify characteristics of source water used to provide public drinking water through municipal water distribution and water treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution and water treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution and water treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution and water treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution and water treatment systems.
- Perform supporting administrative duties for municipal water distribution and water treatment systems.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

Water Technology

WTECH 181 - Water Hydraulics

Credits: 3

Examines the general principles of water hydraulics and how they relate to the operation of water distribution systems, wastewater collection systems, and water and wastewater treatment facilities. Topics include mass, density, displacement, flow, velocity, pressure, Bernoulli's theorem, friction loss, minor head loss, and flow measurement.

Enrollment Requirement: MATH 72, MATH 97 or eligible for MATH 97.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Define terms as they apply to basic water hydraulics.
- Demonstrate understanding of basic water hydraulics concepts.
- Apply basic water hydraulic concepts to practical situations.
- Perform calculations related to basic water hydraulics applications.
- Aid in the design of water distribution system projects.
- Monitor water distribution system pressure.
- Monitor and calibrate flow meters.
- Determine water volume (e.g., tank, main).
- Determine water flow rate (e.g., mains, pumps, service connections).
- Identify flow characteristics (e.g., pipe size, C-factor, head loss).

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WTECH 182 - Pumps and Pumping Systems

Credits: 3

Examines pumps and pump piping systems used in water and wastewater applications. Emphasizes operational theory, application and basic maintenance of centrifugal pumps.

Enrollment Requirement: MATH 72, MATH 97 or eligible for MATH 97.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Classify the types of pumps typically found in water and wastewater utilities
- Interpret pump system data to evaluate performance of pump stations and related equipment.
- Describe the general and mechanical principles related to centrifugal pumping systems.
- Implement start-up and shut-down procedures for centrifugal pumping systems.
- Identify and schedule general maintenance and repairs on centrifugal pumping systems.
- Identify normal and abnormal operating conditions for centrifugal pumping systems.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Critical Thinking** -Critical thinking finds expression in all disciplines and everyday life. It is characterized by an ability to reflect upon thinking patterns, including the role of emotions on thoughts, and to rigorously assess the quality of thought through its work products. Critical thinkers routinely evaluate thinking processes and alter them, as necessary, to facilitate an improvement in their thinking and potentially foster certain dispositions or intellectual traits over time.

WTECH 183 - Utility Worker Safety

Credits: 3

Examines safety concerns for water and wastewater utilities including confined space entry, underground utility location, excavation safety, fire safety, electrical safety, hazardous energy control (lock out/tag out), machine guarding, and the chemical hazard communication standard. Personal protection topics includes back safety, safe stairway/ladder use, personal fall protection, blood borne pathogen awareness, respiratory, eye, hand, head, hearing, and foot protection. Reviews regulations and standards relating to these topics.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Understand the significance of a safety compliance program.
- Identify opportunities to mitigate occupational health and safety risks.
- Implement a confined space program.
- Perform underground utility locating, marking, and notification.
- Demonstrate ability to implement cave-in protection program.
- Implement traffic control during system maintenance, repairs, and construction.
- Ability to practice lock out/tag out procedures.
- Describe the elements of fall protection.
- Inspect treatment plant safety equipment (e.g., fire extinguishers, AED, and gas detectors).
- Interpret safety data sheets.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

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WTECH 184 - Disinfection and Chemical Feed Systems

Credits: 3

Covers principles of disinfection and disinfection alternatives. Discusses operation and maintenance of chemical feed systems used in water and wastewater applications including gas chlorinators and solution feed systems. Covers safety procedures for handling chlorine.

Enrollment Requirement: MATH 72, MATH 97 or eligible for MATH 97.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Explain the process objectives of water and wastewater disinfection.
- Recognize the chemical properties of chlorine sources.
- Demonstrate understanding of chlorine reactions with constituents in water and wastewaters.
- Calculate the required disinfection dosage.
- Determine the correct disinfection dosage and contact time to meet disinfection process objectives.
- Demonstrate ability to dilute and mix batches of chemical solutions to desired concentration.
- Demonstrate the ability to operate and maintain chlorine gas system equipment (e.g., cylinders and connections).
- Evaluate the operation of chemical feed equipment at chlorine gas facilities.
- Identify the major components of gas chlorinators.
- Perform routine maintenance on hypochlorite solution system disinfection equipment.
- Understand the principles of chlorine safety
- Schedule chlorine deliveries to maintain an adequate supply of the disinfection chemicals
- Describe the process to accept chemical shipments
- Implement proper handling and storage of disinfection chemicals (e.g., chain cylinders, lock the facility).
- Inspect, operate, and maintain UV and ozone disinfection equipment.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

WTECH 185 - Water and Wastewater Applied Problems

Credits: 3

Students perform calculations related to water and wastewater laboratory, effectiveness of each major stage of water and wastewater treatment operation, pump capacities, pump rates, process loading rates, flow rates and chemical dosage rates.

Enrollment Requirement: MATH 72, MATH 97 or eligible for MATH 97.

Course Outcomes:

Students who successfully complete this class will be able to:

- Analyze data to evaluate and adjust equipment
- Add chemicals to disinfect and deodorize water and other liquids (e.g., ammonia, chlorine, lime)
- Analyze laboratory data to evaluate and adjust processes.
- Adjust the disinfection dosage.
- Conduct distribution system flushing.
- Calculate chemical dosages.
- Calculate water treatment plant residuals, backwash water, daily flow rates, chemical levels, previous days usage, and filter performance data.

- Mix batches of chemical solutions.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WTECH 187 - Drawings and Manuals

Credits: 3

Includes interpretation of maps, drawings, and operation and maintenance manuals as these activities relate to the water and wastewater technology field.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Describe and apply the principles of the Federal System of Rectangular Surveys to real-world situations.
- Identify examples of maps and drawings commonly used in the water and wastewater technology field.
- Interpret standardized symbols and terminology used on maps and drawings used in the water and wastewater technology field.
- Apply information contained in maps and drawings to real-world situations.

- Access information in typical operation and maintenance manuals utilized in the water and wastewater technology field.
- Implement revisions to maintain an up-to-date map of the distribution and collection systems.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
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- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

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WTECH 188 - Water and Wastewater Electrical

Credits: 3

Electrical fundamentals for water and wastewater applications including atomic theory, energy sources, circuit basics, electromagnetism, inductance, capacitance, power systems, control system component reading, electrical diagrams, electrical measurements, normal operations, and troubleshooting.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply electric circuit basics to real-world situation.
- Apply power system basics to real-world situations.

- Interpret and apply information from control systems.
- Interpret and apply information from electrical diagrams.
- Perform basic electrical system measurements.
- Identify normal electrical system operation.
- Perform preventive and corrective maintenance to electric motors.
- Identify normal operation of motors and instrumentation.
- Apply elementary electrical principles to troubleshooting breakers, relays, and circuits.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
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- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
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College-wide Outcomes

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WTECH 191 - Pre-Employment Seminar

Credits: 3

Covers job search and preparation for water and wastewater careers. Includes resume, cover letter, and application preparation, as well as interview techniques and practice. Also includes identification of potential employers. Students gain workplace skills including internal customer service and diverse workforce awareness.

Course Fee: \$500.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Develop resume in traditional and electronic formats.
- Develop cover and follow-up letters.
- Develop job application information.
- Identify appropriate and inappropriate pre-employment inquiries.
- Develop positive interview techniques.
- Identify potential employers in the water and wastewater field.
- Identify attributes of a successful workplace attitude.
- Develop skills for working successfully with a diverse workforce.
- Perform supervisory duties:
 - Enforcing policies and safety procedures
 - Conducting performance evaluations
 - Resolving grievances
 - Making appropriate hiring decisions
 - Initiating, investigating, and implementing disciplinary actions.

Program Outcomes

- Identify characteristics of water used to provide public drinking water through municipal water distribution and water treatment systems.
- Identify the characteristics of wastewater conveyed and treated in municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate and adjust processes used in municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Monitor, evaluate, operate and maintain common types of equipment found in municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Apply appropriate safety procedures to operation of municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.
- Collect samples for, perform and interpret results of laboratory analyses used to monitor municipal water distribution, water treatment systems, municipal wastewater collection and wastewater treatment systems.
- Perform supporting administrative duties for municipal water distribution, water treatment, municipal wastewater collection and wastewater treatment systems.

College-wide Outcomes

- **Written Communication** - Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form.

Welding**WELD 103 - Special Welding**

Credits: 3

Any welding process available at Green River designed to suit the needs of the student who registers for either a specified number of hours or enters on a space-available basis after the class has begun. Credits completed in WELD 103 are applied to WELD 141, WELD 142, WELD 143 or WELD 194. (Special Note: Veterans may not exceed a total of 16 credits in WELD 103. Eight credits must apply to other welding courses as indicated if they are receiving educational benefits from the Veterans Administration.)

Enrollment Requirement: Instructor consent.

Course Fee: \$37.00

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Properly use heavy shop equipment.
- Perform groove welds in all positions in accordance to WABO standard 27-13.
- Pursue shop WABO or AWS certification in single or multiple processes.
- Understand weld procedures (WPS) for the various positions.
- Be familiar with machine polarity and machine operation.
- Weld ferrous and non-ferrous material.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Understand basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 107 - Basic Blueprint Reading

Credits: 3

A related subject for welding students to help prepare them for the demands of the industry. Covers alphabet of lines, orthographic and isometric drawings, shop prints and details of how to read them, standard measuring devices and their uses, structural materials (how they intersect and tie together) and welding symbols and their applications.

Enrollment Requirement: Instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Identify and describe the significance of different lines, symbols, and views.
- Locate and explain the purpose of the title block content.
- Use typical measuring and scale methods to interpret and convert dimensions from blueprints.
- Create a bill of materials from reading a print.
- Identify metals, welding processes, and sequences of operations from blueprints.
- Determine tolerance variances from the blueprints.
- Weld from a blueprint.

Program Outcomes

- Work as an industry standard trade welder.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 141 - Basic Arc Weld and Flame Cutting

Credits: 1-13

Prepares students as trade welders or, with proper selection of classes, to receive an AAS degree as Welding Technicians using one or more welding processes. Students learn arc welding of low-carbon steel in all positions, electrode clarification, and manual and machine flame cutting of low carbon steels using oxyacetylene process.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50 per credit

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Perform proper set up and shut down procedure for oxy-acetylene.
- Demonstrate oxy-acetylene welding.
- Perform manual flame cutting with oxy-acetylene.
- Perform basic Shielded Metal Arc Welding (SMAW) on low carbon steel.
- Discuss electrode identification.
- Define machine polarity and machine operation.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 142 - Intermediate Welding

Credits: 1-13

For students with previous welding experience or WELD 141. Students continue arc welding of low-carbon steel in all positions in preparation for the American Welding

Society (AWS) or Washington Association of Building Officials (WABO) test. Students learn theory and application of stick electrode and carbon electrode for cutting and gouging.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50 per credit

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Perform the SMAW process in various positions.
- Discuss basic theory and application of SMAW on low carbon steel.
- Work towards AWS/WABO certification in SMAW.
- Perform fillet welds in the flat and horizontal position.
- Interpret electrode identification and application.
- Discuss machine polarity and machine operation.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 143 - Advanced Arc Welding

Credits: 1-13

Introduces gas tungsten arc, gas metallic arc, and flux cored arc welding processes for those students proficient at manual arc and oxyacetylene welding. Students gain experience in all of the general welding processes used by local industry.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Properly use heavy shop equipment.
- Be proficient in the SMAW process in all positions.
- Identify and perform fillet and groove welds.
- Pursue certification in the SMAW process.
- Understand weld procedures (WPS) for the various positions.
- Illustrate machine polarity and machine operation.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 177 - Welding Work Experience 1-3

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

WELD 178 - Welding Work Experience 1-3

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

WELD 179 - Welding Work Experience 1-3

Credits: 1-12

Allows student to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

Enrollment Requirement: Concurrent enrollment in COOP 171 and instructor consent.

Course Outcomes:

Students who successfully complete this class will be able to:

- Course outcomes to be mutually agreed upon between instructor and student.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Discuss basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.

WELD 194 - Special Welding Project 1

Credits: 1-13

Suits the student's personal needs. Course focuses beyond basic techniques in GTAW, GMAW, FCAW, SMAW, in pipe, plate, aluminum, titanium, and magnesium welding.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50 per credit

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Properly use heavy shop equipment.
- Learn the theory of semi-automatic welding processes (FCAW).
- Perform FCAW (Flux Core Arc Welding) in the 2 and 3F positions.

- Learn to identify weld profiles plus cause and effect of FCAW.
- Weld with C25 and CO2 welding gases.
- Learn basic operation of multi-process inverters.
- Be familiar with machine polarity and machine operation.
- Operate and understand basic theory operation of wire feed units.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Understand basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 195 - Special Welding Project 2

Credits: 1-13

Provides students with the manual skills and technical knowledge that is required by industry to pass various specialized welding tests, and to meet industry certification standards. Students increase their level of proficiency in each welding process.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50 per credit

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Properly use heavy shop equipment.
- Learn the theory of the GMAW (Gas Metal Arc Welding) process.
- Be proficient in the GMAW process in all positions.
- Identify and perform fillet and groove welds in all positions.
- Pursue certification in the GMAW process.

- Understand weld procedures (WPS) for the various positions.
- Be familiar with machine polarity and machine operation.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Understand basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 196 - Special Welding Project 3

Credits: 1-13

Further provides the students with the manual skills and technical knowledge that is required by the industry to pass various specialized welding tests and to meet industry certification standards. Students increase their level of proficiency in each welding process.

Enrollment Requirement: Instructor consent.

Course Fee: \$12.50 per credit

Course Outcomes:

Students who successfully complete this class will be able to:

- Apply basic shop safety.
- Properly use heavy shop equipment.
- Learn the theory of the GTAW (Gas Tungsten Arc Welding) process.
- Be proficient in the GTAW process in all positions.
- Identify and perform fillet and groove welds in all positions.
- Pursue shop certification in the GTAW process.
- Understand weld procedures (WPS) for the various positions.
- Be familiar with machine polarity and machine operation.

- Weld ferrous and non-ferrous material.

Program Outcomes

- Work as an industry standard trade welder.
- Demonstrate OSHA and WISHA standards for safety in the workplace.
- Use multiple welding processes in all positions.
- Identify the cause and effect of various welding processes per welding procedure (WPS).
- Understand basic theory of welding and the related equipment.
- Conform to AWS and WABO qualification procedures.

College-wide Outcomes

- **Responsibility** - Responsibility encompasses those behaviors and dispositions necessary for students to be effective members of a community. This outcome is designed to help students recognize the value of a commitment to those responsibilities which will enable them to work successfully individually and with others.
- **Quantitative and Symbolic Reasoning** - Quantitative Reasoning encompasses abilities necessary for a student to become literate in today's technological world. Quantitative reasoning begins with basic skills and extends to problem solving.

WELD 201 - Introduction to Metal Art

Credits: 1-3

A technical course including theory and safety, hands-on oxy-acetylene and MIG/wire feed welding, plasma cutting, basic grinding and other shop equipment. Lays the foundation for more advanced and project-based courses and increases your understanding and practice of incorporating metal into your artistic, architectural or sculptural visions.

Enrollment Requirement: Concurrent enrollment in ART 119; and instructor consent.

Course Fee: \$132.91

Distribution Lists

Humanities/Fine Arts/English Distribution Course List

Minimum 15 credits from Humanities/Fine Arts/English Distribution in three separate areas. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses may be applied as a Humanities/Fine Arts/English distribution.

ARAB 121 - Arabic I Credits: 5
ARAB 122 - Arabic II Credits: 5
ARAB 123 - Arabic III Credits: 5
ART& 100 - Art Appreciation Credits: 5
ART 212 - History of Art 1 Credits: 5
ART 213 - History of Art 2 Credits: 5
ART 214 - History of Art 3 Credits: 5
ART 240 - History of Art and Feminism Credits: 5
ART 241 - History of Indigenous Art of the Americas Credits: 5
CHIN 111 - First Year Chinese for Heritage Learners Credits: 5
CHIN& 121 - Chinese I Credits: 5
CHIN& 122 - Chinese II Credits: 5
CHIN& 123 - Chinese III Credits: 5
CHIN 146 - Introduction to Chinese Culture and Life Credits: 5
CMST& 101 - Introduction to Communication Credits: 5
CMST& 102 - Introduction to Mass Media Credits: 5
CMST& 210 - Interpersonal Communication Credits: 5
CMST 212 - Persuasion and Propaganda Credits: 5
CMST 213 - Communication in Social Media Credits: 5
CMST 215 - Critical Analysis of Media Credits: 5
CMST& 220 - Public Speaking Credits: 5
CMST& 230 - Small Group Communication Credits: 5
CMST& 240 - Intercultural Communication Credits: 5
CMST 245 - Argumentation Credits: 5
CMST 265 - Introduction to Popular Culture Credits: 5
CMST 266 - Film and Television as Popular Culture Credits: 5
DRMA& 101 - Introduction to Theatre Credits: 5
DRMA 102 - Contemporary American Theatre Credits: 5
DRMA 103 - Musical Theatre History Credits: 5
ENGL& 112 - Introduction to Fiction Credits: 5
ENGL& 113 - Introduction to Poetry Credits: 5
ENGL& 114 - Introduction to Drama Credits: 5
ENGL 115 - Introduction to Novels Credits: 5
ENGL 160 - Women's Literature Credits: 5

ENGL 161 - Cultures of Desire Credits: 5
 ENGL 162 - LGBTQ Literature Credits: 5
 ENGL 163 - The Poetics of Rap and Hip Hop Credits: 5
 ENGL 164 - Film as Literature Credits: 5
 ENGL 165 - Introduction to the Myths of the World Credits: 5
 ENGL 168 - Introduction to Irish Literature Credits: 5
 ENGL 180 - Children's Literature Credits: 5
 ENGL 181 - Literary Approaches to Pop Culture Credits: 5
 ENGL 183 - Detective and Mystery Fiction Credits: 5
 ENGL 185 - The Bible as Literature Credits: 5
 ENGL 190 - Young Adult Literature Credits: 5
 ENGL& 220 - Introduction to Shakespeare Credits: 5
 ENGL& 226 - British Literature I: 7th to 16th Century Credits: 5
 ENGL& 227 - British Literature II: 17th to 18th Century Credits: 5
 ENGL& 228 - British Literature III: 19th to 21st Century Credits: 5
 ENGL& 236 - Creative Writing I Credits: 5
 ENGL& 237 - Creative Writing II Credits: 5
 ENGL& 244 - American Literature I: American Literature to 1860 Credits: 5
 ENGL& 245 - American Literature II: Civil War to WWI Credits: 5
 ENGL& 246 - American Literature III: WWI to Present Credits: 5
 ENGL 247 - American Ethnic Literature Credits: 5
 ENGL 248 - African American Literature Credits: 5
 ENGL 249 - U.S. Latinx Literature Credits: 5
 ENGL 250 - U.S. Indigenous Literatures Credits: 5
 ENGL 251 - Asian American Literatures Credits: 5
 ENGL 252 - Muslim American Literature Credits: 5
 ENGL& 255 - World Literature II: 7th to 18th Century Credits: 5
 ENGL& 256 - World Literature III: 19th to 21st Century Credits: 5
 ENGL 264 - Shakespeare on Film Credits: 5
 FILM 101 - Introduction to Film Studies Credits: 5
 FILM 120 - The Art of the Film Credits: 5
 FILM 121 - Contemporary American Film Credits: 5
 FILM 122 - Introduction to Film: Genres Credits: 5
 FILM 191 - Latin America in Film Credits: 5
 FRCH& 121 - French I Credits: 5
 FRCH& 122 - French II Credits: 5
 FRCH& 123 - French III Credits: 5
 FRCH 193 - Introduction to Francophone Life and Culture Credits: 5
 FRCH& 221 - French IV Credits: 5
 FRCH& 222 - French V Credits: 5
 FRCH& 223 - French VI Credits: 5
 GERM& 121 - German I Credits: 5
 GERM& 122 - German II Credits: 5
 GERM& 123 - German III Credits: 5

GERM 128 - German Life & Culture Credits: 5
 GERM& 221 - German IV Credits: 5
 GERM& 222 - German V Credits: 5
 GERM& 223 - German VI Credits: 5
 HUMAN 110 - Background for the Humanities Credits: 5
 HUMAN 133 - People, Language and Culture Credits: 5
 HUMAN 160 - Introduction to Gender Studies Credits: 5
 JAPN& 121 - Japanese I Credits: 5
 JAPN& 122 - Japanese II Credits: 5
 JAPN& 123 - Japanese III Credits: 5
 JAPN 142 - Introduction to Japanese Life and Culture Credits: 5
 JAPN& 221 - Japanese IV Credits: 5
 JAPN& 222 - Japanese V Credits: 5
 JAPN& 223 - Japanese VI Credits: 5
 JOURN 101 - Multimedia Journalism Credits: 5
 JOURN 107 - Introduction to Video Journalism Credits: 5
 JOURN 150 - Introduction to Broadcasting & Digital Media Credits: 5
 JOURN 152 - Broadcasting & Digital Media Management Credits: 5
 LAS 190 - Latin American Culture Through Literature Credits: 5
 LAS 191 - Latin America in Film Credits: 5
 LAS 200 - Latin American Women: Struggles and Literature Credits: 5
 LAS 201 - Africa in Latin America: From Language to Food to Music and Dance Credits: 5
 MUSC 101 - Fundamentals of Music Credits: 5
 MUSC 102 - Global Pop Music Credits: 5
 MUSC 103 - American Popular Music Credits: 5
 MUSC 104 - Music in World Culture Credits: 5
 MUSC& 105 - Music Appreciation Credits: 5
 MUSC 107 - History of Jazz Credits: 5
 MUSC 108 - Computer Music 1 Credits: 5
 MUSC 109 - Computer Music 2 Credits: 5
 MUSC 110 - Computer Music 3 Credits: 5
 MUSC& 131 - Music Theory 1 Credits: 3
 MUSC& 132 - Music Theory 2 Credits: 3
 MUSC& 133 - Music Theory 3 Credits: 3
 MUSC 160 - Songwriting and Music Composition 1 Credits: 5
 MUSC 161 - Songwriting and Music Composition 2 Credits: 5
 MUSC 162 - Songwriting and Music Composition 3 Credits: 5
 MUSC 260 - Songwriting and Music Composition 4 Credits: 5
 MUSC 261 - Songwriting and Music Composition 5 Credits: 5
 MUSC 262 - Songwriting and Music Composition 6 Credits: 5
 PHIL& 101 - Introduction to Philosophy Credits: 5
 PHIL 102 - Contemporary Moral Problems Credits: 5
 PHIL 103 - Historical Survey-Ancient Philosophy Credits: 5

PHIL 105 - Historical Survey-Modern Philosophy Credits: 5
PHIL 108 - Historical Survey-Contemporary Philosophy Credits: 5
PHIL 110 - Social and Political Philosophy Credits: 5
PHIL 111 - Science, Technology, and Value Credits: 5
PHIL 112 - Ethics in the Workplace Credits: 5
PHIL& 115 - Critical Thinking Credits: 5
PHIL 160 - Introduction to the Philosophy of Science Credits: 5
PHIL 200 - Introduction to the Philosophy of Religion Credits: 5
PHIL 206 - Gender and Philosophy Credits: 5
PHIL 210 - Comparative Religion Credits: 5
PHIL 216 - Women and World Religions Credits: 5
PHIL 220 - Introduction to Eastern Philosophy Credits: 5
PHIL 236 - Existentialism Credits: 5
PHIL 238 - Introduction to Philosophy of Human Rights Credits: 5
PHIL 240 - Introduction to Ethics Credits: 5
PHIL 243 - Environmental Ethics Credits: 5
SPAN& 121 - Spanish I Credits: 5
SPAN& 122 - Spanish II Credits: 5
SPAN& 123 - Spanish III Credits: 5
SPAN 192 - Introduction to Spanish Life and Culture Credits: 5
SPAN& 221 - Spanish IV Credits: 5
SPAN& 222 - Spanish V Credits: 5
SPAN& 223 - Spanish VI Credits: 5
SPAN 272 - Culturas de Espana Credits: 5
SPAN 290 - Latin American Culture Through Literature (Spanish) Credits: 5
SPAN 291 - Latin America in Film (Spanish) Credits: 5
SPAN 292 - Latin American Women: Struggles and Literature (Spanish) Credits: 5

Performance/Skills Courses

No more than 5 credits in performance/skills courses may be applied to the Humanities/Fine Arts/English distribution.

ART 105 - Beginning Drawing Credits: 5
ART 106 - Intermediate Drawing Credits: 5
ART 107 - Advanced Drawing Credits: 5
ART 109 - Beginning Design Credits: 5
ART 110 - Intermediate Design and Color Credits: 5
ART 111 - Painting 1 Credits: 5
ART 112 - Painting 2 Credits: 5
ART 113 - Painting 3 Credits: 5
ART 114 - Pottery 1 Credits: 3-5
ART 115 - Pottery 2 Credits: 3-5
ART 119 - 3-Dimensional Design Credits: 5

ART 120 - Introduction to Graphic Design Credits: 5
 ART 123 - Beginning Videography Credits: 5
 ART 130 - Watercolor Painting Credits: 3
 ART 135 - Introduction to Screen Printing Credits: 5
 ART 219 - Advanced 3-Dimensional Design Credits: 5
 ART 251 - Ceramics 1 Credits: 5
 ART 252 - Ceramics 2 Credits: 5
 ART 253 - Ceramics 3 Credits: 5
 ART 255 - Advanced Painting 1 Credits: 5
 ART 256 - Advanced Painting 2 Credits: 5
 ART 257 - Advanced Painting 3 Credits: 5
 DANCE 101 - Introduction to Dance Credits: 3
 DANCE 102 - Dance Technique 1 Credits: 3
 DANCE 103 - Dance Technique 2 Credits: 3
 DANCE 204 - Choreography Workshop Credits: 3
 DRMA 111 - Rehearsal and Performance 1 Credits: 5
 DRMA 151 - Acting Fundamentals Credits: 5
 DRMA 152 - Acting-Building a Character Credits: 5
 DRMA 153 - Acting-Text Analysis Credits: 5
 DRMA 154 - Improvisation 1 Credits: 5
 DRMA 157 - Audition Techniques for Stage and Film Credits: 5
 DRMA 158 - Stage Combat Credits: 5
 MUSC 118 - Concert Choir 1 Credits: 1-3
 MUSC 119 - Concert Choir 2 Credits: 1-3
 MUSC 120 - Concert Choir 3 Credits: 1-3
 MUSC& 121 - Ear Training 1 Credits: 2
 MUSC& 122 - Ear Training 2 Credits: 2
 MUSC& 123 - Ear Training 3 Credits: 2
 MUSC 124 - Musical Rehearsal and Performance Credits: 5
 MUSC 125 - Vocal Coaching for Singers Credits: 5
 MUSC 127 - Green River Jazz Voices 1 Credits: 1-5
 MUSC 128 - Green River Jazz Voices 2 Credits: 1-5
 MUSC 129 - Green River Jazz Voices 3 Credits: 1-5
 MUSC 137 - Asian Drumming Ensemble 1: Korean Percussion Credits: 5
 MUSC 138 - Asian Drumming Ensemble 2: Korean Percussion Credits: 5
 MUSC 139 - Asian Drumming Ensemble 3: Korean Percussion Credits: 5
 MUSC 140 - Class Piano 1 Credits: 2
 MUSC 141 - Class Piano 2 Credits: 2
 MUSC 142 - Class Piano 3 Credits: 2
 MUSC 150 - Private Instruction 1 Credits: 1
 MUSC 151 - Private Instruction 2 Credits: 1
 MUSC 152 - Private Instruction 3 Credits: 1
 MUSC 170 - Music and the Environment Credits: 5
 MUSC 218 - Concert Choir 4 Credits: 1-3

MUSC 219 - Concert Choir 5 Credits: 1-3
MUSC 220 - Concert Choir 6 Credits: 1-3
MUSC 227 - Green River Jazz Voices 4 Credits: 1-5
MUSC 228 - Green River Jazz Voices 5 Credits: 1-5
MUSC 229 - Green River Jazz Voices 6 Credits: 1-5
MUSC 250 - Private Instruction 4 Credits: 1
MUSC 251 - Private Instruction 5 Credits: 1
MUSC 252 - Private Instruction 6 Credits: 1
PHOTO 101 - Beginning Black and White Photography Credits: 5
PHOTO 102 - Intermediate Photography Credits: 5
PHOTO 103 - Advanced Photography Credits: 5
PHOTO 111 - Beginning Digital Photography Credits: 5

Social Science Distribution

Minimum 15 credits from three separate areas or minimum 15 credits from two separate areas with a 200-level course required within the two-course emphasis. Courses that fulfill the diversity requirement may also be used to fulfill a distribution requirement. See Diversity Course List for a list of courses satisfying the diversity requirements.

AMES 100 - Introduction to American Ethnic Studies Credits: 5
AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5
AMES 105 - Social Inequality and Change in American Sports Credits: 5
AMES 150 - Race and Ethnicity in the Pacific Credits: 5
AMES 206 - Identity and Education in Hawai'i Credits: 5
AMES 214 - Sociology of Race and Ethnicity Credits: 5
AMES 230 - Introduction to Critical Asian American & Pacific Islander Studies Credits: 5
AMES 253 - Community Formation in Hawai'i Credits: 2
ANTH& 100 - Survey of Anthropology Credits: 5
ANTH& 104 - World Prehistory Credits: 5
ANTH& 106 - American Mosaic: Cultures of the United States Credits: 5
ANTH 108 - Food, Drink and Culture Credits: 5
ANTH& 204 - Archaeology Credits: 5
ANTH& 205 - Biological Anthropology Credits: 5
ANTH& 206 - Cultural Anthropology Credits: 5
ANTH& 207 - Linguistic Anthropology Credits: 5
ANTH& 210 - Indigenous Peoples of North America Credits: 5
ANTH& 216 - Indigenous Peoples of the Northwest Coast Credits: 5
ANTH 220 - Sex, Gender and Culture Credits: 5
ANTH& 234 - Religion and Culture Credits: 5
ANTH& 235 - Cross-Cultural Medicine Credits: 5
ANTH& 236 - Forensic Anthropology Credits: 5

ANTH 273 - Field Archeology Credits: 1-10
 BUS& 101 - Introduction to Business Credits: 5
 BUS 181 - Introduction to International Business Credits: 5
 BUS& 201 - Business Law and the Regulation of Business Credits: 5
 CJ& 101 - Introduction to Criminal Justice Credits: 5
 CJ& 105 - Introduction to Corrections Credits: 5
 CJ& 106 - Juvenile Justice Credits: 5
 CJ& 110 - Criminal Law Credits: 5
 CJ& 112 - Criminology Credits: 5
 CJ 225 - Serial, Spree & Mass Killers Credits: 5
 CJ& 240 - Introduction to Forensic Science Credits: 5
 ECON 100 - Economic Principles and Applications Credits: 5
 ECON& 201 - Micro Economics Credits: 5
 ECON& 202 - Macro Economics Credits: 5
 GEOG& 100 - Introduction to Geography Credits: 5
 GEOG 120 - Introduction to Physical Geography Credits: 5
 GEOG 123 - Globalization Credits: 5
 GEOG 190 - Geographic Exploration Credits: 1-10
 GEOG& 200 - Human Geography Credits: 5
 GEOG 201 - World Regional Geography Credits: 5
 GEOG 205 - Environmental Geography Credits: 5
 GEOG 210 - Mountain Geography Credits: 5
 HIST 120 - History of the Movies Credits: 5
 HIST 122 - History of Australian Movies Credits: 5
 HIST& 126 - World Civilizations I Credits: 5
 HIST& 127 - World Civilizations II Credits: 5
 HIST& 128 - World Civilizations III Credits: 5
 HIST 135 - The United States Since 1940 Credits: 5
 HIST& 136 - U.S. History I Credits: 5
 HIST& 137 - U.S. History II Credits: 5
 HIST& 214 - Pacific Northwest History Credits: 5
 HIST& 215 - Women in U.S. History Credits: 5
 HIST& 220 - African American History Credits: 5
 HIST 228 - Latinos in the United States Credits: 5
 HIST 230 - Modern Europe Credits: 5
 HIST 231 - Modern Asia Credits: 5
 HIST 233 - History of Latin America Credits: 5
 HIST 237 - History of Australia and New Zealand Credits: 5
 HIST 240 - The Civil War Credits: 5
 HIST 250 - The Vietnam War Credits: 5
 POLS& 101 - Introduction to Political Science Credits: 5
 POLS& 200 - Introduction to Law: United States Credits: 5
 POLS& 201 - Introduction to Political Theory Credits: 5
 POLS& 202 - United States Government Credits: 5

POLS& 203 - International Relations Credits: 5
POLS& 204 - Comparative Government Credits: 5
POLS 207 - American Political Participation Credits: 5
POLS 209 - State and Local Government Politics Credits: 5
POLS 225 - The Arab-Israeli Conflict Credits: 5
POLS 250 - Immigration, Refugees, and Citizenship Credits: 5
PSYC& 100 - General Psychology Credits: 5
PSYC& 180 - Human Sexuality Credits: 5
PSYC& 200 - Lifespan Psychology Credits: 5
PSYC 201 - Personality Credits: 5
PSYC 209 - Fundamentals of Psychological Research Credits: 5
PSYC& 220 - Psychological Disorders Credits: 5
PSYC 225 - Fundamentals of Physiological Psychology Credits: 5
PSYC 240 - Social Psychology Credits: 5
S SCI 100 - Truth, Lies and Social Statistics Credits: 5
S SCI 160 - Introduction to the Study of Gender Credits: 5
SOC& 101 - Introduction to Sociology Credits: 5
SOC& 201 - Social Problems Credits: 5
SOC 202 - Sociology of Food Credits: 5
SOC 205 - Sociology of Disability Credits: 5
SOC 214 - Sociology of Race and Ethnicity Credits: 5
SOC 215 - Survey of Criminology Credits: 5
SOC 220 - Sex and Gender in Society Credits: 5
SOC 230 - Sociology of Death and Dying Credits: 5
SOC 240 - Sociology of the Family Credits: 5
SOC 245 - Juvenile Delinquency Credits: 5
SOC 252 - Drugs and Society Credits: 5
SOC 260 - Crime and Justice Credits: 5
SOC 271 - Deviance, Power, and Social Control Credits: 5

Natural Science

Minimum of 15 credits from at least two separate areas. Ten credits must be chosen from List A, including a minimum of 5 credits from lab sciences (courses designated with ① symbol). The additional 5 credits may be taken from either List A or List B.

List A

AP 100 - Survey of Human Anatomy and Physiology Credits: 5
AP 102 - Bringing Anatomy and Physiology to Life Credits: 5
AP 103 - Essentials of Human Anatomy and Physiology 1 Credits: 5 ①
AP 104 - Essentials of Human Anatomy and Physiology 2 Credits: 5 ①
AP 210 - Cadaver Anatomy Credits: 1

ASTR& 101 - Introduction to Astronomy Credits: 5 ⓘ
 BIOL& 100 - Survey of Biology Credits: 5 ⓘ
 BIOL 103 - Introduction to Botany Credits: 5 ⓘ
 BIOL 110 - Northwest Ecology Credits: 5 ⓘ
 BIOL 127 - Natural Science of Australia and New Zealand Credits: 5
 BIOL 135 - Microbes and Society Credits: 5 ⓘ
 BIOL& 160 - General Biology with Lab Credits: 5 ⓘ
 BIOL& 175 - Human Biology with Lab Credits: 5 ⓘ
 BIOL& 211 - Majors Cellular Credits: 6 ⓘ
 BIOL& 212 - Majors Animal Credits: 6 ⓘ
 BIOL& 213 - Majors Plant Credits: 6 ⓘ
 BIOL& 241 - Human Anatomy and Physiology 1 Credits: 5 ⓘ
 BIOL& 242 - Human Anatomy and Physiology 2 Credits: 5 ⓘ
 BIOL& 260 - Microbiology Credits: 5 ⓘ
 CHEM& 110 - Chemical Concepts with Lab Credits: 5 ⓘ
 CHEM& 121 - Introduction to Chemistry Credits: 5 ⓘ
 CHEM& 131 - Introduction to Organic Chemistry and Biochemistry Credits: 5 ⓘ
 CHEM& 140 - General Chemistry Prep with Lab Credits: 6 ⓘ
 CHEM& 161 - General Chemistry with Lab I Credits: 6 ⓘ
 CHEM& 162 - General Chemistry with Lab II Credits: 6 ⓘ
 CHEM& 163 - General Chemistry with Lab III Credits: 6 ⓘ
 CHEM& 261 - Organic Chemistry with Lab I Credits: 6 ⓘ
 CHEM& 262 - Organic Chemistry with Lab II Credits: 6 ⓘ
 CHEM& 263 - Organic Chemistry with Lab III Credits: 6 ⓘ
 ENV S 204 - Natural Science and the Environment Credits: 5
 GEOL& 101 - Introduction to Physical Geology Credits: 5 ⓘ
 GEOL 106 - Dinosaurs Credits: 5
 GEOL 107 - Fossils and Ancient Earth Credits: 5 ⓘ
 GEOL 117 - Natural Disasters with Lab Credits: 5 ⓘ
 GEOL 200 - Geological Investigations of the National Parks Credits: 5
 GEOL 206 - Earth History Credits: 5 ⓘ
 GEOL& 208 - Geology of the Pacific Northwest Credits: 5 ⓘ
 OCEA& 101 - Introduction to Oceanography Credits: 5 ⓘ
 PHYS& 110 - Physics Non-Science Majors with Lab Credits: 5 ⓘ
 PHYS& 114 - General Physics I with Lab Credits: 5 ⓘ
 PHYS& 115 - General Physics II with Lab Credits: 5 ⓘ
 PHYS& 116 - General Physics III with Lab Credits: 5 ⓘ
 PHYS 154 - Physics for the Life Sciences 1 Credits: 5 ⓘ
 PHYS 155 - Physics for the Life Sciences 2 Credits: 5 ⓘ
 PHYS 156 - Physics for the Life Sciences 3 Credits: 5 ⓘ

PHYS& 221 - Engineering Physics I with Lab Credits: 5 ①
PHYS& 222 - Engineering Physics II with Lab Credits: 5 ①
PHYS& 223 - Engineering Physics III with Lab Credits: 5 ①
PHYS 225 - Modern Physics Credits: 3
PHYS 229 - Electric and Magnetic Fields Credits: 2

List B

ANTH& 205 - Biological Anthropology Credits: 5
CS& 131 - Computer Science I C++ Credits: 5
CS 132 - C++ Data Structures Credits: 5
ENGR& 104 - Introduction to Design Credits: 5
ENGR 106 - Introduction to Engineering Problems Credits: 3
ENGR 140 - Engineering Materials Credits: 5
ENGR& 204 - Electrical Circuits Credits: 5
ENGR& 214 - Statics Credits: 5
ENGR& 215 - Dynamics Credits: 5
ENGR& 224 - Thermodynamics Credits: 5
ENGR& 225 - Mechanics of Materials Credits: 5
ENGR 271 - Digital Circuits and Systems Credits: 5
MATH& 107 - Math in Society Credits: 5
MATH 108 - Contemporary Math for Information Technology Credits: 5
MATH 109 - Mathematical Models in Gaming Credits: 5
MATH& 141 - PreCalculus I Credits: 5
MATH& 142 - PreCalculus II Credits: 5
MATH& 146 - Introduction to Statistics Credits: 5
MATH 147 - Finite Mathematics-Business and Social Science Credits: 5
MATH& 148 - Business Calculus Credits: 5
MATH& 151 - Calculus I Credits: 5
MATH& 152 - Calculus II Credits: 5
MATH& 163 - Calculus III Credits: 5
MATH& 131 - Mathematics for Elementary Education 1 Credits: 5
MATH& 132 - Mathematics for Elementary Education 2 Credits: 5
MATH 238 - Differential Equations Credits: 5
MATH 240 - Topics in Linear Algebra Credits: 5
MATH& 254 - Calculus IV Credits: 5
MATH 256 - Statistics for Business and Social Science Credits: 5
NUTR& 101 - Nutrition Credits: 5
PHIL& 120 - Symbolic Logic Credits: 5

Diversity Requirement

A minimum of one course from the Diversity Course list must be taken to satisfy the diversity course requirement. In most cases, a course also satisfies other distribution areas.

AMES 100 - Introduction to American Ethnic Studies Credits: 5
AMES 103 - Intersections of Race, Gender, Class and Sexuality Credits: 5
AMES 105 - Social Inequality and Change in American Sports Credits: 5
AMES 150 - Race and Ethnicity in the Pacific Credits: 5
AMES 214 - Sociology of Race and Ethnicity Credits: 5
AMES 230 - Introduction to Critical Asian American & Pacific Islander Studies Credits: 5
ANTH& 106 - American Mosaic: Cultures of the United States Credits: 5
ANTH& 206 - Cultural Anthropology Credits: 5
ANTH& 210 - Indigenous Peoples of North America Credits: 5
ART 240 - History of Art and Feminism Credits: 5
ART 241 - History of Indigenous Art of the Americas Credits: 5
CMST& 240 - Intercultural Communication Credits: 5
CMST 265 - Introduction to Popular Culture Credits: 5
CJ 220 - Race and Class in Criminal Justice Credits: 5
CS 109 - Data Science for Social Good Credits: 5
EDUC& 240 - Diversity in Education Credits: 5
ENGL 160 - Women's Literature Credits: 5
ENGL 161 - Cultures of Desire Credits: 5
ENGL 162 - LGBTQ Literature Credits: 5
ENGL 163 - The Poetics of Rap and Hip Hop Credits: 5
ENGL 165 - Introduction to the Myths of the World Credits: 5
ENGL 168 - Introduction to Irish Literature Credits: 5
ENGL 247 - American Ethnic Literature Credits: 5
ENGL 248 - African American Literature Credits: 5
ENGL 249 - U.S. Latinx Literature Credits: 5
ENGL 250 - U.S. Indigenous Literatures Credits: 5
ENGL 251 - Asian American Literatures Credits: 5
ENGL 252 - Muslim American Literature Credits: 5
ENGL& 256 - World Literature III: 19th to 21st Century Credits: 5
FILM 121 - Contemporary American Film Credits: 5
FILM 151 - Asian Film Studies Credits: 5
FILM 162 - Gender in Film Credits: 5
FILM 191 - Latin America in Film Credits: 5
FRCH 193 - Introduction to Francophone Life and Culture Credits: 5
GEOG& 200 - Human Geography Credits: 5
HIST& 128 - World Civilizations III Credits: 5
HIST& 215 - Women in U.S. History Credits: 5
HIST& 220 - African American History Credits: 5
HIST 228 - Latinos in the United States Credits: 5

HIST 233 - History of Latin America Credits: 5
 LAS 190 - Latin American Culture Through Literature Credits: 5
 LAS 191 - Latin America in Film Credits: 5
 LAS 193 - Andean & Amazonian Culture: Continuity and Change Credits: 5
 LAS 195 - Special Topics in Latin American Studies: Interdisciplinary Explorations of Culture and Identity Credits: 5
 LAS 200 - Latin American Women: Struggles and Literature Credits: 5
 LAS 201 - Africa in Latin America: From Language to Food to Music and Dance Credits: 5
 MUSC 102 - Global Pop Music Credits: 5
 MUSC 103 - American Popular Music Credits: 5
 MUSC 104 - Music in World Culture Credits: 5
 MUSC 107 - History of Jazz Credits: 5
 MUSC 137 - Asian Drumming Ensemble 1: Korean Percussion Credits: 5
 MUSC 138 - Asian Drumming Ensemble 2: Korean Percussion Credits: 5
 MUSC 139 - Asian Drumming Ensemble 3: Korean Percussion Credits: 5
 PHIL 206 - Gender and Philosophy Credits: 5
 PHIL 210 - Comparative Religion Credits: 5
 PHIL 216 - Women and World Religions Credits: 5
 PHIL 220 - Introduction to Eastern Philosophy Credits: 5
 PHIL 238 - Introduction to Philosophy of Human Rights Credits: 5
 POLS& 204 - Comparative Government Credits: 5
 S SCI 160 - Introduction to the Study of Gender Credits: 5
 SOC 205 - Sociology of Disability Credits: 5
 SOC 214 - Sociology of Race and Ethnicity Credits: 5
 SOC 220 - Sex and Gender in Society Credits: 5
 SPAN& 221 - Spanish IV Credits: 5
 SPAN& 222 - Spanish V Credits: 5
 SPAN& 223 - Spanish VI Credits: 5
 SPAN 290 - Latin American Culture Through Literature (Spanish) Credits: 5
 SPAN 291 - Latin America in Film (Spanish) Credits: 5
 SPAN 292 - Latin American Women: Struggles and Literature (Spanish) Credits: 5

Last Revised
 7/1/2025

Important Phone Numbers

Offices

Department	Direct-Dial Number	Campus Extension
Main Campus	(253) 288-3499	(253) 833-9111
Admissions	(253) 288-3383	ext. 3383
Athletics	(253) 931-6464	ext. 6464
Auburn Center	(253) 288-3455	ext. 3455
Auto Shop	(253) 735-4100	ext. 4100
Basic Skills	(253) 351-6680	ext. 6680
Benefits Hub	(253) 288-3492	ext. 3492
Campus Safety	(253) 288-3350	ext. 3350
Campus Tours	(253) 333-6000	ext. 6000
Career and Advising Center	(253) 288-3482	ext. 3482
Campus Corner Apartments	(253) 876-0700	ext. 0700
Center for Transformational Wellness	(253) 333-6015	ext. 6015
College in the High School	(253) 288-3380	ext. 3380
Conference Services	(253) 333-6010	ext. 6010
Continuing and Community Education	(253) 333-6030	ext. 6030
Counseling Services	(253) 351-6670	ext. 6670
CTE Dual Credit	(253) 288-3380	ext. 3380
Disability Support Services	(253) 931-6460	ext. 6460
eLearning	(253) 288-3354	ext. 3354
Enrollment	(253) 288-3383	ext. 3383
Enumclaw Campus	(253) 288-3400	ext. 3400
Financial Aid	(253) 288-3392	ext. 3392
Foundation Office	(253) 288-3330	ext. 3330
Gator Grill	(253) 288-3366	ext. 3366
Help Desk - Student IT Help	(253) 931-6465	ext. 6465
Human Resources	(253) 288-3320	ext. 3320
Indigenous Student Success Center	(253) 288-5558	ext. 5558
International Programs	(253) 288-3300	ext. 3300
Judicial Affairs	(253) 887-5404	ext. 5404
Kent Campus	(253) 520-6290	ext. 6290

Department	Direct-Dial Number	Campus Extension
Library (Circulation Desk)	(253) 931-6490	ext. 6490
MAC - Master Achiever Center	(253) 931-6515	ext. 6515
Math Learning Center	(253) 931-6478	ext. 6478
Mailroom - Shipping/Receiving	(253) 333-6080	ext. 6080
MESA - Mathematics, Engineering, Science Achievement	(253) 931-6560	ext. 6560
Office of Diversity, Equity and Inclusion	(253) 333-4973	ext. 4973
Office of the Registrar	(253) 288-3383	ext. 3383
Open Doors Program	(253) 333-4968	ext. 4968
Outreach & Recruitment	(253) 288-3395	ext. 3395
Paper Tree Bookstore	(253) 931-3961	ext. 3961
PC Repair Shop	(253) 931-6579	ext. 6579
Performing Arts Center Box Office	(253) 351-6667	ext. 6667
Placement & Testing Center	(253) 288-3449	ext. 3499
Print Shop	(253) 263-7858	ext. 7858
Public Speaking Center	(253) 288-3477	ext. 3477
RAC - Recreation Athletic Center	(253) 931-6464	ext. 6464
Running Start	(253) 288-3380	ext. 3380
Student Financial Services (formerly Cashier's)	(253) 288-3399	ext. 3399
Student Life	(253) 931-6450	ext. 6450
Switchboard	(253) 288-3499	ext. 3499
TRiO Student Support Services	(253) 931-3478	ext. 3478
Tutoring and Resource Center	(253) 931-6475	ext. 6475
Veteran Services	(253) 288-3452	ext. 3452
Welcome Desk	(253) 333-6000	ext. 6000
WETRC	(253) 288-3369	ext. 3369
Workforce Education	(253) 931-6550	ext. 6550
Writing & Reading Center	(253) 333-6022	ext. 6022

Fax (Office of the Registrar)

253-288-3471

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Auburn, WA 98092-3622

Web: www.greenriver.edu/future

Website

www.greenriver.edu

Campus Visits

The Welcome Desk on the first floor of the Student Affairs and Success Center offers group and individual tours for potential students during fall, winter, spring and summer quarters. All tours begin at the Welcome Desk and take approximately 45 minutes. We would like the opportunity to personalize your tour. Please sign-up at least 24 hours in advance at greenriver.edu/campus/welcome-desk and include any special requests and/or accommodations. Contact the Welcome Desk at (253) 333-6000 or email gettingstarted@greenriver.edu with questions.

K-12 and community groups can schedule tours by contacting the Recruitment and Outreach staff at outreach@greenriver.edu or (253) 288-3395.

Catalogs

Catalogs are available on the web at www.catalog.greenriver.edu.

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Samantha Smith, Mathematics, A.A., Skagit Valley College; B.S., M.S., Western Washington University; Ph.D., Cert, Oregon State University

Chitra Solomonson, Physics, B.S., University of Madras, India; M.S., Indian Institute of Technology, Madras, India; Ph.D., Louisiana State University

Janee Sommerfeld, Senior Director of Financial Services, B.B.A., Washington State University; M.B.A., City University

Dan Sorensen, Automotive Technology, A.S., Rogue Community College; A.S.E. Master Technician

Renate Sorg, Intensive English as a Second Language, B.A., Pacific Lutheran University; M.A., American University

Leslie Soule, English for Speakers of Other Languages

Megan Stevens, Nursing, B.S., University of Northern Colorado; M.A., University of Washington

Wendy Stewart, Vice President of International Programs and Extended Learning, B.A., University of Puget Sound; M.A., Monash University, Australia; Ed.D., Northeastern University

Rachel Stuart, Communication Studies, B.A., M.A., California State University Chico; A.B.D., Washington State University

Brian Stubbs, Physics, B.S., Pacific Lutheran University; M.S., University of Oregon

Leo Studach, Biology, B.S., Marquette University; Ph.D., Purdue University

Andrew Sturt, Journalism, B.A., M.S., University of Colorado

Mary Jane Swenson, Criminal Justice, B.A., M.A., University of Washington; J.D., Seattle University

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Vaishnavi Thakar, Natural Resources, B.S., University of Pune, India; M.S., Ph.D., University of Texas at Dallas

Mark Thomason, History, B.A., University of Washington; M.A., New Mexico State University

Peter Turylo, Information Technology, B.A., B.A.Sc., M.B.A., University of Toronto

Susan Uland, Computer Engineering, B.S., University of Virginia; M.Ed., University of St. Thomas; M.S., Texas A&M University

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Julissa Valenciano, Math, A.S., Columbia Basin College; B.S., Washington State University; M.S., Oregon State University

Jamie Vandette, Anatomy and Physiology/Biology, B.S., Central Washington University; M.S., Ohio State University

Leonard Wainstein, College and Career Pathways, B.A., University of Puget Sound; M.A., TESOL, University of Washington

Michelle Wallace, Mathematics, A.A., Mira Costa Community College; B.A.S., University of California San Diego; M.A.S., Washington State University

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Michael Wood, Engineering, B.S., Colorado State University; M.S., University of Colorado-Denver

Jean-Paul Yafali, Business, A.A., Philosophat Edit Stein & Saint Augustin; B.A., M.A., M.S., Universite Catholique du Congo; M.B.A., Seattle University; D.B.A., Saint Mary's College of California

Harmen Zijlstra, Chemistry, Ph.D., University of Groningen

Glossary

Academic - Pertaining to a liberal arts program of study, as opposed to a career or technical program. Term used with degree, program, or course.

Academic Advisement Report - A ctcLink tool which allows students to view degree and certificate requirements, and track completed coursework in their selected program of study.

Academic calendar - A two-year calendar indicating quarter start and end dates, holidays to be observed by Green River campuses, and other non-class days.

Academic certificate - Awarded for recognition of accomplishment in an academic program.

Academic Credit for Prior Learning (ACPL) - An opportunity for students to earn credit for prior nontraditional education and/or work experience.

Academic standards - College policy that requires students to maintain a minimum grade point average of 2.0.

Advisor - The faculty member, administrator, or Career and Advising Center staff person who helps you in the advising process.

Application - The process of applying for admission to the college or to a specific program of study; also, the form you fill out to apply.

Articulation agreement - An agreement between the college and certain high schools or other colleges by which specific courses taken at one institution are allowed for automatic credit at the other institution.

Associate Development (AD) - A degree designed for students to plan their educational program with self-direction and development without specific requirements in subject areas.

Associate in Applied Arts (AAA) - A degree designed for students in career/technical programs, generally in business and business-related fields.

Associate in Applied Science (AAS) - A degree designed for students in career/technical programs, generally in health sciences, technical, and trades subjects.

Associate in Applied Science-Transfer (AAS-T) - A degree for technical courses required for job preparation and includes college-level general education requirements.

Associate in Arts (AA-DTA) - Liberal arts degree fulfilling the general requirements taken by college freshmen and sophomores. Students must complete 90 quarter credits in courses numbered 100 or above and meet specific distribution requirements.

Associate in Business (AB-DTA/MRP) - A degree for students pursuing a career in the field of business.

Associate in Computer Science (ACS-DTA/MRP) - A degree for students who plan to transfer to a four-year college or university at a junior level to a Bachelors of Computer Science program.

Associate in Fine Arts (Art) (AFA) - A degree for students pursuing a degree in fine arts specializing in art or photography.

Associate in Math Education (AM-DTA/MRP) - A degree for students who plan to transfer to a four-year college or university at a junior level to a Bachelor's of Science in Nursing Program.

Associate in Pre-Nursing (A-PreN-DTA/MRP) - A degree for students who plan to transfer to a four-year college or university at a junior level to a Bachelor's of Science in Nursing.

Associate in Science-Transfer (Track 1) (AST- 1) - A degree for students interested in Biology, Environmental Science, Chemistry, Geology, and Earth Science.

Associate in Science-Transfer (Track 2) (AST- 2) - A degree for students interested in Engineering, Engineering Technology, Computer Science, Physics, and Atmospheric Science.

Audit - Taking a class for information only and not for credit or a grade.

Bachelor's or Baccalaureate - A degree awarded by four-year colleges and universities to students who have completed a specified course of study.

Bachelor of Applied Science (BAS) - A degree for students who already hold a technical degree. This degree is built upon technical courses required for job placement and career promotion.

Career/technical - A program of study intended to prepare students for employment in a certain field rather than for transfer to a four-year college or university. Used to describe a degree, program, or course. Also referred to as vocational.

Certificate of Completion (Cert) - Awarded in some career/technical programs. These certificates usually do not include courses outside the major subject.

Certificate of Proficiency (Cert-P) - Awarded for the successful completion of a specific short-term program of study in a career/technical field where course work is 44 credits or less and generally does not include "Related Instruction" requirements.

Common Course Number - Includes commonly shared courses among Washington community and technical colleges with the same course number and title, designated by the "&" symbol.

Concurrent enrollment - Enrollment in two or more linked classes.

Continuing and Community Education - Courses, seminars or workshops, usually non-credit, that do not apply to degrees but are taken for personal enrichment, professional development, or general knowledge.

Co-op fee - An extra charge, in addition to tuition, required for certain courses to cover lab supplies, equipment, computer use, etc.

Course - A single subject of study taken for one quarter or other specified period of time. Sometimes referred to as a class.

Course abbreviation - A shortened version of the name of a department; for example, ENGL for "English."

Course code/number - The number used with the course abbreviation to refer to a specific course; for example, "ENGL& 101."

Course title - The descriptive name of a specific course; for example, "English Composition I" is the course title for ENGL& 101.

Credit or credit hour - The unit of measurement for the amount of work and/or time required for a course. A five-credit class will usually meet five hours a week. Also known as quarter hour.

Credit by exam - An alternative method by which you may complete credits to earn a particular degree or certificate.

Credit load - The total number of credit hours you enroll in for a quarter.

Curriculum - A set of courses constituting an area of specialization.

Degree - Awarded for the successful completion of a specific program of study.

Department - A specific area of study in which the college offers classes. Also, the group of faculty who teach that subject.

Distribution - Each degree requires completion of course work in specific learning areas: arts and humanities, science and mathematics, and social and behavioral sciences. These requirements provide students with a broad exposure to the humanities and sciences. To fulfill the requirements, students may choose from a wide variety of subject fields within each learning area.

Diploma - Awarded for successful completion of high school.

Drop a course - Withdrawal from a course by the deadline published in the quarterly class schedule.

Direct Transfer Agreement (DTA) - The Direct Transfer Agreement assures the transfer of credit, but not automatic admission (since each institution has separate admission criteria which are based on grades, test scores and other considerations) to a college or university with which Green River has such an agreement. Essentially, transfer agreements ensure that a student who completes an Associate of Arts degree at a community college will have satisfied all or most of the basic (i.e. general education or core) requirements at the various four-year institutions.

Elective - A course you choose to take which is not a core or required course for your particular program.

Emphasis - Concentrated study in a specialized area within a career/technical or academic program of study.

English Language Learning (ELL) - A program designed specifically for those needing to further develop their English reading, writing, and speaking skills.

ESOL (English for Speakers of Other Languages) - A program designed specifically for those needing to further develop their English reading, writing, and speaking skills.

Full-time student - A student who is enrolled for 12 or more credits.

General Education Requirements (GER) - A range of courses distributed across various academic areas, required for the AS-T and other degrees, in order to develop breadth of knowledge outside the major field. Sometimes referred to as distribution requirements or core requirements, a.k.a. GUR, General Undergraduate Requirements.

Grade points - The number obtained by multiplying the numerical value of the grade you receive for a course by the number of credit hours earned in that course. For example, if you earn a 3.3 grade in a 5-credit course you earn 16.5 grade points for that course.

Grade point average (GPA) - The number obtained by dividing total grade points earned by total credit hours attempted in a quarter. Your cumulative grade point average is obtained by dividing total grade points on your record by total hours you have attempted.

High School Equivalency Preparation Test - A program for adults who have not graduated from high school and want to earn a certificate of high school equivalency.

Independent study - A course of study on a topic of interest to a student, designed with the help of an instructor and supervised by an instructor, and undertaken with departmental approval.

International Baccalaureate - (IB) - A rigorous pre-college course of study for highly motivated high school students.

Major - The subject area in which you choose to specialize.

Major Related Program (MRP) - A degree designed for students planning to transfer directly into a specific major at a baccalaureate institution.

Non-resident student - A student who has not lived in the State of Washington for at least one year before the initial quarter of study. See also Resident student.

Northwest Commission on Colleges and Universities - The regional association through which Green River College is accredited.

Part-time student - A student registered for fewer than 12 credits. See also Full-time student.

Permission Codes - Instructor permission codes that allow a student entry into a particular course or course section when enrollment requirements have not been documented.

Phi Theta Kappa - The international honor society for two-year colleges. Its purpose is to recognize and encourage scholarship among students attending two-year colleges.

Placement - An assessment indicating the appropriate starting point for each student.

Prefix - A shortened version of the name of a department; for example, ENGL for "English."

Pre-professional program - A program designed to fulfill part of the requirements leading to study in a professional program or school.

Prerequisite - A requirement that must be met before you enroll in a particular course, usually a test score or completion of another course.

Program of study - A group of courses leading to a particular degree or certificate.

Quarter - The designation for a school term, lasting approximately 11 weeks (8 weeks for summer).

Related instruction - A range of courses distributed across various areas, required for a career/technical degree in order to develop breadth of knowledge outside the major field.

Residence requirement - Credits required by a college in order to fulfill degree requirements, which cannot be transferred in from another institution.

Resident student - A student who has lived in the State of Washington for at least one year immediately prior to the first day of instruction for a quarter.

Section - A specific class with its own unique days, hours, location and instructor. A number of sections of a certain course may be offered during a quarter, with different days, times, locations and instructors.

Special Topics - A course offering on a special topic of interest to students.

Student Identification Number - A unique number assigned to a student for tracking, data entry, identification, transcripts, and for conducting other college business.

Student Learning Outcomes - The knowledge, skills, abilities or attitudes that students have attained by the end of any set of college experiences-courses, programs, degrees and certificates or encounters with college services. Articulates the major goals of each experience, requires higher-level thinking skills and usually results in a product that can be evaluated.

Study Day - The day preceding the finals testing schedule to be used for study, reading, individual meetings with faculty, study groups or other activities that will better prepare the student for their final course assessments. Study day applies to day classes only and night classes will meet during their normal time period.

Technology Fee - A quarterly fee charged to students to support computer-based resources and services available to all students in the Holman Library and the open lab in the Technology building.

TOEFL - Test of English as a Foreign Language-a compulsory test for students wanting to study in U.S. colleges and universities.

Transcript evaluation - An official determination as to which courses taken at another college will be allowed for credit at Green River. Also, the determination by a four-year college as to which of your Green River courses will be allowed for credit at that institution.

Transfer credits - Credits earned at one college that are accepted toward a degree at another college.

Transfer degree - A degree intended to parallel the first two years of a bachelor's degree program.

Withdrawal from the college - Officially dropping all courses for which you are enrolled for a particular quarter. See Drop a Course.

Appendix A: Course Options for Meeting Diploma Requirements

The chart on the following page provides a list of Washington State for high school graduation requirements and the Green River classes that will meet those requirements. Students must pay careful attention to the graduation requirements for their particular graduation year and diploma pathway by consulting with their advisor. This will ensure they take the correct courses to earn their diploma.

*Minimum Washington state High School Requirements	High School Credits (1 HS credit = 5 Green River credits)	Green River College Course options for students entering high school classes in Fall 2004 or later.	Green River Credits (1 HS credit = 5 Green River credits)
English	3 or 4 *	Reading/Literature: READ READ 084 , READ 094 , READ 104; or ENGL ENGL & 101, ENGL & 112, ENGL & 113, ENGL & 114, ENGL 115, ENGL 160, ENGL 163, ENGL 165, ENGL 168, ENGL 180, ENGL 181, ENGL 183, ENGL 185, ENGL & 220, ENGL & 226, ENGL & 227, ENGL & 228, ENGL & 244, ENGL & 245, ENGL & 246, ENGL 247, ENGL 248, ENGL 249, ENGL & 254 , ENGL & 255, ENGL & 256, ENGL 257 ; HSC HSC 033 ; IBEST IBEST 37, IBEST 38, IBEST 47, IBEST 48, IBEST 57, IBEST 58, IBEST 67, IBEST 68, 095, 096; IGRAD iGRAD 065 , iGRAD 066 , iGRAD 075 , iGRAD 076 , iGRAD 085 , iGRAD 086 ; TS TS 75, TS 76, TS 65, TS 66, TS 85, TS 86 Writing: ENGL ENGL 081 or ENGL 99, ENGL & 101, ENGL 126, ENGL 127, ENGL 128, ENGL 109 , ENGL & 235, ENGL & 236 ENGL & 237 ENGL 239 Communication Studies: CMST CMST 100 or higher	15-20*
Math	2-3*	MATH MATH 62 , MATH 70, MATH 72 with 5 of those credits at MATH MATH 72 or higher;	10-15*

		IBEST IBEST 47, IBEST 48, IBEST 57, IBEST 58, IBEST 67, IBEST 68; IGRAD iGRAD 055 , iGRAD 056 ; TS TS 55, TS 56; TS 57, TS 95, TS 96; CARP& CARP 113, CARP 114, CARP 115	
Science	2	10 credits of science with 5 of those credits being any lab science course that meets the lab science requirement (see AA degree for details): AP AP 103, AP 104; ASTR& ASTR & 101; BIOL BIOL 103, BIOL 110, or BIOL & 100, BIOL & 160; CHEM CHEM & 121, CHEM & 131, &141; ECED ECED & 120; GEOL GEOL & 101, GEOL 107; IBEST IBEST 67, IBEST 68; IDS IDS 101 , IDS 102 , IDS 103 ; IGRAD iGRAD 085 , iGRAD 086 ; NURSE HEALTH 104, NRS A NRS A 104, NRS A 103; OCEA OCEA & 101; PHYS PHYS & 110, PHYS & 114 PHYS & 115 PHYS & 116; or TS TS 045 , TS 046 , TS 85, TS 86; TS 087 , TS 088 , TS 95, TS 96	10
U.S. History	1	Select 5-8 credits from the following: HIST 021 (4 credits) and/or HIST 022 (4 credits) or HIST HIST 135, HIST & 136, HIST & 137, HIST 220 (5 credits each); IGRAD iGRAD 065 , iGRAD 066 ; TS TS 65, TS 66, TS 95, TS 96	5
Civics and Government	0.5	Select 5 credits from the following: HSC HSC 25 (5 credits); TS TS 25; or POLS& POLS & 202 (5 credits); TS TS 95, TS 96	3
Washington State History **	0.5	Select 5 credits from the following: ANTH& ANTH & 210, ANTH 211 , ANTH & 216, HIST 024 or HIST& HIST & 214; TS TS 24, TS 95, TS 96	3
Social Studies **	0.5	AMES AMES 100, AMES 150; ANTH ANTH & 100, ANTH & 206, ANTH & 234, ANTH & 235; ECON 100, 194; GEOG& 100; GEOG 123, &200, 201; or	3

		HIST 101, 102, 103, 120, 135, &136, &137, 224, 230, 231, 232, 233, 237, 240, 245, 250, &215; IGRAD 065, 066; TS 065, 066, 095, 096	
Contemporary World History, Geography, and Problems	1	Select 5 credits from the following: AMES 100; ECON 100, &201,&202; GEOG& 200, 201; HIST 103, 231, 250; IGRAD 065, 066; PHIL 102; POLS& 101, &203, &204; or SOC & 101 (5 credits each)); TS 065, 066, 095, 096;	5
Fitness/Health	2	A minimum of 3 credits is required from List A. The remaining credits may be taken from any combination of List A and List B. List A: Health -HL ED 150, 180; P E 101, 102, 103, 111, 131, 149, 160, 165, 169; ECED&107 List B: Fitness--HL ED 190; P E 107, 108, 109, 110, 112, 113, 114, 115, 117, 118, 119, 121, 122, 124, 125, 128, 129, 131, 132, 134, 136, 137, 138, 139, 140, 141, 143, 144, 147, 148, 150, 158, 160, 165, 168, 169, 193, 201, 202, 207, 210, 211, 212, 215, 216, 224, 231, 234, 236, 237, 247, 248, 251, 253, 258; NURSE 127; TS 095, 096	10
Occupational Education	1	5 credits from any career/technical course with the following prefixes: A SIM, AAM, ACCT, ATECH; AVIA; B A; BUS; BTAC; CARP; CPT; CJ; CS; D T; ECED, ECED& 107; EDUC; EMT, ENGR; H SCI; INDUS; IBEST 037, 038, 047, 048, 057, 058, 067, 068; I E; IT; JOURN; MFG; MTX, NATRS; NURSE; OTA; PHLEB, PHOTO; PTA; R EST; TECH; WWT; WST; WTECH; WELD; or ECON &201, &202; NRS A 110, 111, 127; TS 095, 096	5
Arts	1	5 credits in any fine arts or performing arts course with the following prefixes: ART; DANCE; DRMA; MUSC; PHOTO; TS 095, 096	5

Electives	5 or 4 *	20 - 25 credits, as needed to total of 95-100 credits. Any Green River credit, except ESOL and TS classes under the 100 level that are not listed above. IBEST 037, 038, 047, 048, 057, 058, 067, 068; IGRAD 055, 056, 065, 066, 075, 076, 085, 086	25 or 20*
Total credits	19-20		95-100*

** Washington state high school graduation requirements are subject to change based on the student's incoming year. Be sure to talk about your specific plan of study with an advisor after receiving your official transcript evaluation from Enrollment Services.*

***Students who have taken Washington State History or Pacific NW History in high school will have satisfied this credit. Students who took either of these classes in Middle School will need to take a social studies class.*

We strongly encourage students to make an educational plan with their advisor to ensure that they take the appropriate classes for their particular graduation requirements.

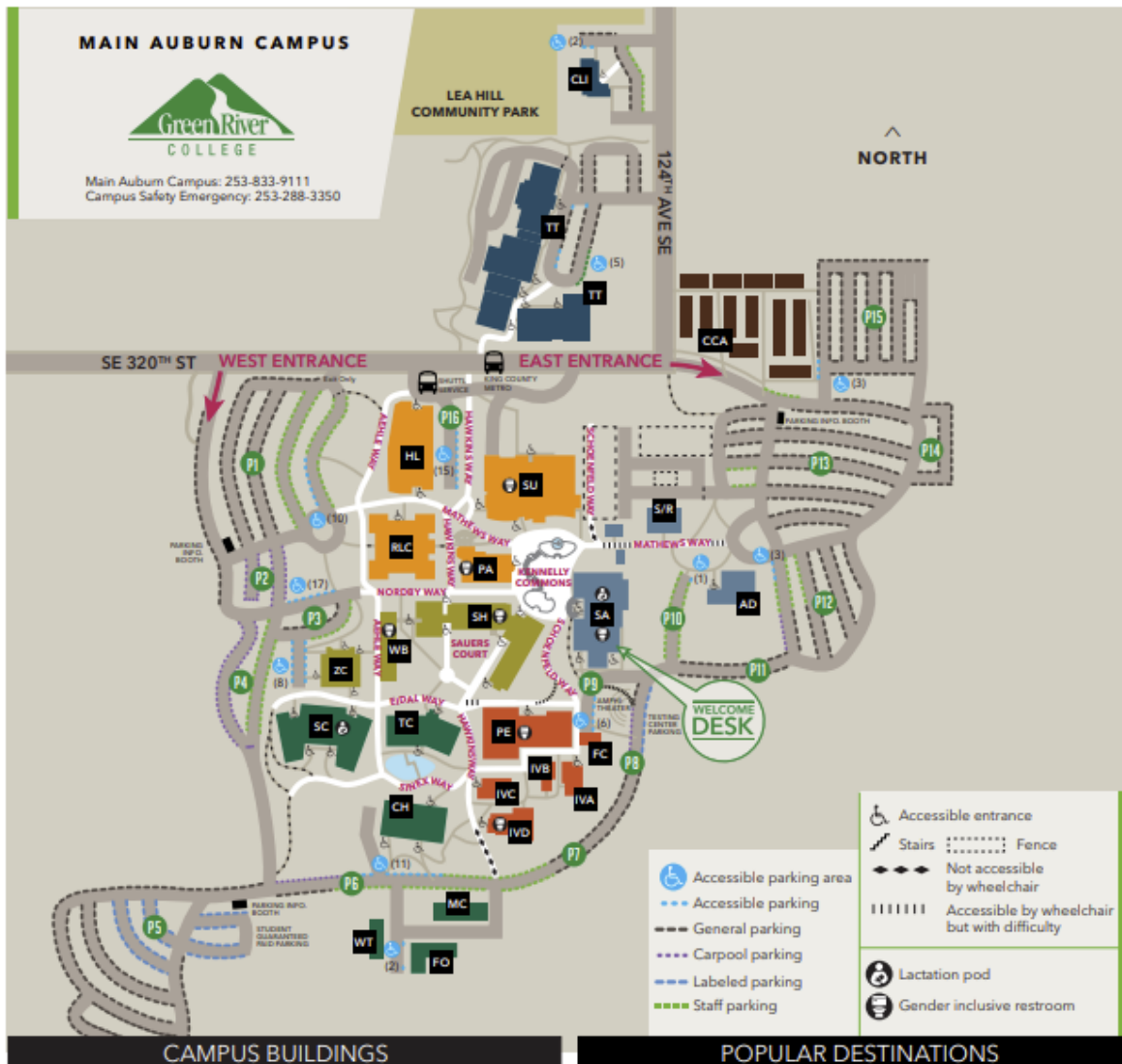
Appendix B: Chart of Flight Fees

All flight courses require additional flight fees. Green River College partners with local approved flight schools to complete flight training. The number of training hours and costs vary for each flight course depending on which school the student selects. Some students need more time to obtain FAA certification above and beyond the average minimums, therefore any cost incurred by the student above those averages will be considered an out- of-pocket expense. Students must also obtain a FAA Class II Medical Certificate before entering the program (Class I for ATP License). Any student requesting to take two flight classes simultaneously (dual enrollment) must have the permission of the Instructor of Record (IOR) prior to enrollment.

	Rainer Flight	Rainer Flight- Boeing Field	Safety In Motion	Aero Maintenance	Snohomish Flying Service
FLT 111 - Private Pilot Flight 1	8,598.33	9,131.67	5,137.75	8,600.00	11,129.00
FLT 112 - Private Pilot Flight 2	18,171.67	19,238.33	6392.25	9,800.00	11,100.00
FLT 211 - Instrument Pilot Flight 1	6,880.00	7,313.33	4,338.00	6,600.00	5,114.00
FLT 212 - Instrument Pilot Flight 2	6,880.00	7,313.33	3,678.00	7,800.00	6,369.00
FLT 213 - Instrument Pilot Flight 3	7,855.00	8,288.33	2,770.00	7,800.00	6,853.00

FLT 231 - Commercial Pilot Flight 1	5,377.89	5,756.84	10,918.00	7,000.00	13,457.00
FLT 232 - Commercial Pilot Flight 2	23,048.12	24,672.18	9,661.00	7,000.00	10,940.00
FLT 233 - Commercial Pilot Flight 3	6,708.98	7,105.98	5,702.32	4,255.00	11,039.00
FLT 300 - Certified Flight Instructor	12,600.00	13,100.00	10,073.00	4,042.50	11,859.00
FLT 301 - Certified Flight Instructor- Instrument Flight	9,610.00	9,810.00	5,526.00	5,542.50	6,895.00
FLT 401 - Multi- Engine Operations Flight	8,883.00	8,963.00	7,248.00		8,600.00
FLT 402 - Multi- Engine Instructor Rating	6,810.00	6,810.00	13,001.00		13,475.00

Campus Map



Administration Building	AD	McIntyre Int'l Village A-D	IVA-D	Campus Information & Tours	SA	Math Learning Center	CH
Bleha Center for Performing Arts	PA	Mel Lindbloom Student Union	SU	Placement & Testing Center	SA	Office of the Registrar	SA
Campus Corner Apartments		Physical Education Building	PE	The Paper Tree Bookstore	SU	Payroll	AD
Student Housing	CCA	Rutkowski Learning Center	RLC	Campus Safety	SA	Recreation & Athletics Center	SU
Center for Learning & Innovation	CLI	Salish Hall	SH	Career & Advising Center	SA	Speaking Center	HL
Cedar Hall	CH	Shipping & Receiving	S/R	Conference Services	SU	Student Financials	SA
Facilities Operations	FO	Student Affairs & Success Center	SA	Continuing Education	WT	Student Life	SU
Fitness Center	FC	Technology Center	TC	Disability Support Services	SA	TRIO Student Support Services	SA
Holman Library	HL	Trades Technologies	TT	Equity & Diversity Services	SU	Tutoring & Resource Center	HL
Maintenance Center	MC	Washington Environmental Training Resource Ctr. (WETRC)	WT	Financial Aid Office	SA	Veteran Services	SA
Marv Nelson Science Learning Center	SC	West Building	WB	Gator Grille/Gator Grind	SU	Workforce Education	SA
		Zgolinski Center	ZC	Helen S. Smith Gallery	HL	Writing & Reading Center	RLC

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