



GREEN RIVER COLLEGE CATALOG

Green River
COLLEGE

2017

2019



ACADEMIC CALENDAR

2017-2018

2018-2019

Summer Quarter	B781	B891
CLASSES BEGIN	June 26 (M)	June 25 (M)
Independence Day Holiday (campus closed)	July 4 (T)	July 4 (W)
LAST DAY OF THE QUARTER (8-week session)	August 17 (Th)	August 16 (Th)
LAST DAY OF THE QUARTER (10-week session)	August 31 (Th)	August 30 (Th)
Labor Day Holiday (campus closed)	September 4 (M)	September 3 (M)
Fall Quarter	B782	B892
CLASSES BEGIN	September 25 (M)	September 24 (M)
Faculty In-Service Day (no daytime classes)	October 25 (W)	October 24 (W)
Advising Day (no daytime and evening classes)	October 31 (T)	October 30 (T)
Veteran's Day Holiday Observed (campus closed)	November 10 (F)	November 12 (M)
Thanksgiving Eve (no evening classes)	November 22 (W)	November 21 (W)
Thanksgiving Holiday (campus closed)	November 23-24 (Th-F)	November 22-23 (Th-F)
Study Day (no daytime classes)	December 11 (M)	December 10 (M)
Final Exams	December 12-14 (T-Th)	December 11-13 (T-Th)
LAST DAY OF THE QUARTER	December 14 (Th)	December 13 (Th)
Winter Quarter	B783	B893
New Year's Day Holiday (campus closed)	January 1 (M)	January 1 (T)
CLASSES BEGIN	January 3 (W)	January 2 (W)
Martin Luther King Jr. Holiday (campus closed)	January 15 (M)	January 21 (M)
Advising Day (no daytime or evening classes)	February 1 (Th)	January 30 (W)
Faculty In-Service Day (no daytime classes)	February 6 (T)	February 7 (Th)
President's Day Holiday (campus closed)	February 19 (M)	February 18 (M)
Study Day (no daytime classes)	March 20 (T)	March 19 (T)
Final Exams	March 21-23 (W-F)	March 20-22 (W-F)
LAST DAY OF THE QUARTER	March 23 (F)	March 22 (F)
Spring Quarter	B784	B894
CLASSES BEGIN	April 2 (M)	April 1 (M)
Advising Day (no daytime or evening classes)	April 25 (W)	April 24 (W)
Memorial Day Holiday (campus closed)	May 28 (M)	May 27 (M)
Study Day (no daytime classes)	June 12 (T)	June 11 (T)
Final Exams	June 13-15 (W-F)	June 12-14 (W-F)
LAST DAY OF THE QUARTER	June 15 (F)	June 14 (F)
Commencement	June 15 (F)	June 14 (F)
Summer Quarter	B901	
CLASSES BEGIN	June 24 (M)	
Independence Day (campus closed)	July 4 (Th)	
LAST DAY OF THE QUARTER (8-week session)	August 15 (Th)	
LAST DAY OF THE QUARTER (10-week session)	August 29 (Th)	
Labor Day Holiday (campus closed)	September 2 (M)	

IMPORTANT PHONE NUMBERS

OFFICES

Main Campus	(253) 833-9111
Admissions	ext. 2500
Assessment and Testing Center	ext. 2650
Athletics	ext. 2481
Campus Life	ext. 2400
Campus Safety	ext. 3350
Campus Tours	ext. 6000
Career and Advising Center	ext. 2641
Cashier	ext. 2050
College in the High School	ext. 2674
Conference Services.....	ext. 6010
Continuing and Community Education	ext. 2535
Cooperative Education.....	ext. 4934
Counseling Services.....	ext. 2460
Disability Support Services	ext. 2631
Diversity, Equity and Inclusion	ext. 2801
eLearning	ext. 3354
Enrollment Services	ext. 2500
Enumclaw Campus.....	ext. 3400
Financial Aid	ext. 2449
Health Services	ext. 2430
International Programs	ext. 3300
Kent Campus.....	ext. 5000
Library.....	ext. 2090
Registration.....	ext. 2500
Running Start.....	ext. 2674
SAFE: Student Assistance for Emergencies.....	ext. 2559
The Paper Tree Bookstore	ext. 2069
Tech Prep	ext. 2500
TRiO Student Support Services.....	ext. 2655
Tutoring.....	ext. 2325
Veteran Services	ext. 2466
Washington State Center of Excellence for Careers in Education	ext. 4360
Welcome Desk	ext. 6000
Worker Retraining	ext. 2211
WorkFirst.....	ext. 2211

FAX (ENROLLMENT SERVICES)

(253) 288-3454

FOR INFORMATION OR TO CONTACT US

Mail:

Enrollment Services
Green River College
12401 SE 320th St.
Auburn, WA 98092-3622

Web: greenriver.edu/future

WEBSITE

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/infocenter, 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 Outreach staff at outreach@greenriver.edu or (253) 833-9111 ext. 2555.

CATALOGS

Catalogs are available on the web at greenriver.edu/catalog.

CLASS SCHEDULES

Green River publishes a class schedule for each quarter of the academic year. Copies are available on campus and on the web. For information, call Enrollment Services at ext. 2500 or visit greenriver.edu/classschedule.

ONLINE SERVICES

Online services at greenriver.edu/online allows students to conveniently access relevant information. Students can do the following online:

- Apply
- Register online and pay tuition by credit card
- View schedules, registration appointments, and advisor information
- Access class information and Schedule Planner
- Withdraw online through the eighth week of the quarter
- Manage a waitlist
- Print an unofficial transcript
- Change student PIN
- Print HOPE scholarship and other tax credit information (1098-T form)
- Access scholarship and financial aid information
- Look up SID number

There are also kiosks where students may access this information in the Technology Center, Holman Library, and throughout offices in the Lindbloom Student Union and the Student Affairs and Success Center.

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DISCLAIMERS

Accuracy in Publication

Green River College has made reasonable efforts to provide in this catalog information 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 any such changes. Nothing contained herein shall be construed to create any offer to contract or any contractual rights.

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 Administration Building at 12401 SE 320th Street, Auburn, WA 98092.

Nondiscrimination Policy:

Green River College is committed to a policy of nondiscrimination in employment and educational opportunity. No person shall be discriminated against in the terms and conditions of employment, personnel practices, or access to and participation in, programs, services, and activities with regard to race, creed, color, national origin, gender, gender identity, sexual orientation, age, marital status, religion, disability, genetic information or any other unlawful basis.

Harassment of an individual or group on the basis of race, creed, color, national origin, gender, gender identity, sexual orientation, age, marital status, religion, disability, genetic information or any other unlawful basis has no place in a learning or work environment and is prohibited. Sexual violence has no place in a learning or work environment. Further, Green River College is committed to preventing and stopping discrimination, including harassment of any kind and any associated retaliatory behavior.

Physical contact by designated system, college, and university staff members may be appropriate if necessary to avoid physical harm to persons or property. Learn more at www.greenriver.edu/accessibility.

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 253-833-9111, ext. 2631; TTY 253-288-3359; or in person at the Student Affairs and Success Center, Room 274, to request accommodations. For additional information, please visit www.greenriver.edu/student-affairs/disability-support-services.htm

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.



WELCOME TO YOUR NEXT STEP

GETTING STARTED

STUDENT
RESOURCES

ACADEMIC
INFORMATION



WELCOME



DR. SUZANNE M. JOHNSON

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 that 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.

GREEN RIVER COLLEGE BOARD OF TRUSTEES

The Board of Trustees for Green River College is composed of community members who reside within the college's 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 Administration Building. These monthly meetings are open to the public. To learn more about the Green River Board of Trustees, visit:

greenriver.edu/trustees.



JACKIE BOSCHOK



TIM CLARK



LINDA COWAN



CLAUDIA KAUFFMAN



SHARONNE NAVAS

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 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.

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 like the college's newspaper *The Current* and broadcasting on our student-operated radio stations KGRG and KGRG.1.

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.

VISION, MISSION THEMES

*As reaffirmed by the Board of Trustees
March 26, 2013.*

VISION

The vision for Green River College for 2020 is:

To be ranked among the very best in student completion and success and be an invaluable community partner and asset with robust and diverse revenue streams.

MISSION

The mission of Green River College is to:

Ensure student success through comprehensive educational programs and support services responsive to our diverse communities.

CORE THEMES

Green River's mission recognizes the college's commitment to instruction and the success of all students regardless of their skill levels and education goals. The college has identified four core themes to further define the mission which are used to assess institutional effectiveness.

- **Career and Technical Education** – We train learners for professional and technical career readiness, transitions and advancement.
- **College Transfer** – We provide programs and services to ready students for transition to and success in future degree programs.
- **College Readiness** – We offer pre-college programs and services to equip learners for successful transition to college.
- **Continuing and Community Education** – We demonstrate ongoing commitment to the professional, social and personal enrichment needs of our community.

PURPOSE

Green River provides learning opportunities for the residents of Washington and operates in accordance with the state of Washington's Community College Act of 1967.

ROLE, SCOPE AND VALUES

ROLE AND SCOPE

Green River offers courses and programs leading to a variety of associate and bachelor of applied science degrees, certificates and diplomas in career and technical fields and academic transfer. The college also offers customized training, developmental and basic skills programs, as well as a variety of noncredit activities and courses for personal enrichment. Students can choose to enroll at the main campus in Auburn, or one of the three branch campuses located in downtown Auburn, Kent and Enumclaw. Green River also offers a variety of support services to currently enrolled and prospective students to increase their chances for success.

CORE VALUES

We, the faculty, staff, administration and Board of Trustees of Green River, embrace the following values and beliefs:

- **Student success** – We support student engagement, retention, completion and post-program success through excellent teaching and learning and comprehensive support services.
- **High quality** – We provide high quality in teaching, learning and support services in an environment of compassion and integrity.
- **Student access** – We meet student needs for access to and inclusion in their educational pursuits.
- **Community engagement** – We collaborate, stimulate and contribute to the educational, economic and social development of our external and internal communities through continued learning.
- **Equity** – We encourage, foster respect for and respond equitably to diverse perspectives and needs.
- **Global awareness** – We foster citizen responsibility by cultivating a global perspective on critical issues and challenges affecting our community and the world.
- **Stewardship** – We strive to maintain sound financial management, increase effective and efficient operations, develop state-of-the-art infrastructure (to include staffing, technology and facilities), and be forthcoming and transparent in accountability for resource use.
- **Innovation** – We seek to encourage, create and adopt innovative perspectives, policies and practices that will help achieve the college's mission.
- **Campus environment** – We preserve the safety, ecology and sustainability of our campus environment.

ACCREDITATION

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

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

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 N.E., Suite 100
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 Occupational Therapy Assistant program is accredited by the **Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA)** 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**.

STUDENT LEARNING OUTCOMES

Green River College is committed to the continuous improvement of teaching and learning. In order to assess the effectiveness of its instructional programs, the college evaluates student achievement of published learning outcomes. Although the expected learning outcomes vary from program to program, all students completing a degree are expected to demonstrate mastery of four campus-wide outcomes: written communication, critical thinking, responsibility, and quantitative and symbolic reasoning. Additionally students planning to transfer to a four-year institution are expected to master the oral communication learning outcome and students completing applied degree programs (AAA, AAS, and AD) are expected to master the human relations learning outcome. See 'learning outcomes' in 'Academic Information' to learn more.

STUDENT CODE OF CONDUCT/STUDENT RIGHTS AND RESPONSIBILITIES

Admission to Green River College carries with it the presumption that the student is a member of the college community. As a member of the college community one will engage in responsible conduct that models good citizenship.

The Student Code of Conduct identifies the rights that are guaranteed to 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 greenriver.edu/student-affairs/judicial-programs.htm.

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

STUDENT RESOURCES

ASSESSMENT AND TESTING CENTER

Student Affairs and Success Center
(253) 833-9111, ext. 2650
greenriver.edu/AssessmentTesting

The Assessment & 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.

High School Equivalency Test

Is available in the form of GED® Testing.

Instructional Testing

Is available for current students in certain classes.

Non-Green River Test Proctoring

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

Course Placement Testing

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

Program Entry Testing

Is available for our selective admissions programs.

THE PAPERTREE BOOKSTORE

Mel Lindbloom Student Union
253-931-3961
greenriver.edu/bookstore

The Paper Tree bookstore is located on the first floor of the Mel Lindbloom Student Union. Students can purchase textbooks, art and engineering supplies, computer software, greeting cards, college sweatshirts and more. The Paper Tree now has a small convenience store. The Paper Tree also offers movie rentals, fax services, lamination services and shipping services. Students can order their books and supplies online at: greenriver.edu/bookstore.

The Paper Tree is open Monday through Thursday from 7:45 a.m. to 6:00 p.m. and Friday 7:45 a.m. to 4:00 p.m. Hours vary during the 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.

DAILY GRIND

Mel Lindbloom Student Union

Need a quick cup of coffee, tea or a snack on your way to class? Want a cozy spot to study, meet with your friends or enjoy a warm fire? Come to the café where you can get your fill of food, drinks and comfort before, after or between your classes.

CAMPUS LIFE

Mel Lindbloom Student Union
greenriver.edu/campus-life

Campus Life offers a variety of student-centered programs, events and resources, including the Community Leadership, Education and Outreach (CLEO) student leadership program, The Commencement Achievement Program (CAP) peer navigator program, ASGRC student government, clubs, lectures, musical entertainment, diversity education and other opportunities to engage to life outside of the classroom, to the student body.

CAMPUS SAFETY

Student Affairs and Success Center
(253) 833-9111, ext. 3350
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 that 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 E2Campus.

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
(253) 833-9111, ext. 2641
greenriver.edu/CareerAdvising

The Career and Advising Center's staff offers comprehensive career and educational planning resources for current and prospective students, alumni, and community members.

CHILD DEVELOPMENT CENTER

31715 124th Ave. SE
Auburn, WA 98092-3622
(253) 939-7400
greenriver.edu/childcare

Green River's Child Development Center welcomes children ages six weeks to five years. The Children's Home Society of Washington operates the center, which can serve 64 children in its five classrooms. Childcare subsidies are accepted and scholarship assistance is available.

CONFERENCE SERVICES

Mel Lindbloom Student Union
(253) 333-6010
greenriver.edu/conference

Conference Services provides meeting and event support to the Green River College campus community and off-campus constituents. Our dedicated staff provides comprehensive and cost-effective planning services which include room reservations, banquet facilities, catering arrangements and audio-visual technology.

CONTINUING AND COMMUNITY EDUCATION

Continuing and Community Education Office
WT Building, Room WT1
(253) 833-9111, ext. 2535
greenriver.edu/cce

Continuing and Community Education promotes continuous learning by providing a wide range of high quality, short-term courses in the areas of professional and technical continuing education, small business counseling, personal exploration and cultural enrichment. Classes are taught in Auburn, Covington, Enumclaw, Kent and Maple Valley.

Whether your passion is oil painting, your immediate need is financial planning, or you need to update skills to get back in the workforce, we offer classes that help you get where you want to go. Additionally we work closely with local employers to offer a variety of customized training opportunities to help businesses hire and retain a highly skilled workforce. Green River College is also the home to the Washington Environmental Training Center, which provides statewide training in Water and Wastewater Operator professional growth and certification. Prime Time Institute is our mature learners program offering trips and short daytime classes at various college locations.

Containing and Community Education classes are generally non-credit and self-supporting. Classes are featured in the Green River quarterly class schedule as well as in the Continuing and Community Educating class schedule. These classes are financed by student participation fees and not by state tax funds. Any person 18 years of age or older may enroll in Continuing and Community Education classes by completing registration and paying the class fee. Students will not be required to complete college admission procedures.

COUNSELING AND HEALTH SERVICES

greenriver.edu/CounselingAndHealth

COUNSELING

Student Affairs and Success Center
(253) 833-9111, ext. 2460

Short-term personal mental health counseling that focuses on personal growth and the development of coping skills related to a variety of concerns is available in the Counseling Office.

HEALTH SERVICES

Student Affairs and Success Center
(253) 833-9111, ext. 2430

The Health Services Prevention Education staff provides programs that educate the campus about sexual health, fitness, nutrition, alcohol, drugs, and more.

THE CURRENT (STUDENT NEWSPAPER)

Student Affairs and Success Center
(253) 833-9111, ext. 2375
greenriver.edu/campus-life/the-current.htm

The Current is the online and print resource published by and for students during the regular school year. It helps inform students about important issues and activities, and provides students hands-on experience in newspaper and website production.

DISABILITY SUPPORT SERVICES

Student Affairs and Success Center
(253) 833-9111, ext. 2631
TDD: (253) 288-3359
greenriver.edu/dss

Green River is committed to providing equal access to all college programs and activities. Disability Support Services offers accommodation-access services on a case-by-case basis to qualified students with documented disabilities. To receive this information in alternative format please contact Disability Support Services at (253) 833-9111, ext. 2631.

COLLEGE IN THE HIGH SCHOOL

Student Affairs and Success Center
(253) 833-9111, ext. 2674

College in the High School (CHS) is an opportunity for high school students to earn credit in a class at the high school, at a significantly reduced cost. For more information, see College in the High School in the Academic Information Section.

DIVERSITY, EQUITY & INCLUSION

Mel Lindbloom Student Union
Campus Life Office
(253) 833-9111, ext. 2803
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 that enhance student success and community engagement.

ENROLLMENT SERVICES

Student Affairs and Success Center
(253) 833-9111, ext. 2500
greenriver.edu/enrollment

Enrollment Services is a comprehensive department that supports students in applying for admission, registering for classes and maintaining accurate and secure student records. Enrollment Services also provides services related to student transcripts and graduation.

FINANCIAL AID

Student Affairs and Success Center
(253) 833-9111, ext. 2449
http://www.greenriver.edu/financialaid

Financial assistance from grants, scholarships, loans and work-study programs is available to help cover college costs. Students receiving money from external agencies must submit their paperwork to Financial Aid for assistance with tuition and book vouchers.

FOOD SERVICE

Mel Lindbloom Student Union
(253) 833-9111, ext. 3366
greenriver.edu/campus-life/food-services.htm

Conveniently situated on the first floor in the Lindbloom Student Union, the Gator Grille offers a variety of food service options – from hot lunch specials, burgers, sandwiches and salads to hot and cold beverages, and pastries. In addition, there are two espresso stands on campus. One is in the Student Union and the other is in the Technology Center.

HOUSING

Campus Corner Apartments—On campus
(253) 876-0700
greenriver.edu/housing

Student apartments are conveniently located on-campus for Green River students. This fully-functional residence life program includes apartments with four private bedrooms, a kitchen and living room.

Off campus

Mel Lindbloom Student Union
(253) 833-9111, ext. 2400

A housing information list that contains ads for rooms to rent and roommates wanted is maintained in Campus Life.

INSURANCE CASHIER'S OFFICE

Student Affairs and Success Center
(253) 833-9111, ext. 2050

Green River College offers a Student Accident and Sickness Insurance Plan. Students are eligible if they are a regularly enrolled student registered for six or more credits per quarter.

INTERCOLLEGIATE ATHLETICS

Mel Lindbloom Student Union
(253) 833-9111, ext. 2481
greenriver.edu/athletics

Green River College is a member of the Northwest Athletic Conference. Student athletes compete in the following NWAC championship sports: Men's and Women's Cross Country and Track, Women's Soccer, Volleyball, Men's and Women's Basketball, Baseball, and Men's and Women's Golf.

INTERNATIONAL PROGRAMS

International Village, Building D
(253) 833-9111, ext. 3300
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, and help getting involved on campus.

INTERURBAN CENTER FOR THE ARTS

(253) 833-9111, ext. 2735

The Interurban Center for the Arts is a division of Green River College Foundation. It is a community outreach arts program intended to introduce elementary school children and their parents to the arts. The program serves 35 area elementary schools with its visual arts program.

JUDICIAL PROGRAMS

Student Affairs and Success Center
(253) 833-9111, ext. 3397
greenriver.edu/student-affairs/judicial-programs.htm

The Judicial Affairs Department maintains and administers the student code of conduct. The department strives to engage our students to become civic minded citizens who positively contribute to society and achieve their educational goals. The department also seeks to educate students about their rights, responsibilities and expectations as members of the Green River Community while providing a fair and educational process in adjudicating the code of conduct. Judicial Affairs also 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.

89.9 KGRG-FM AND KGRG FM HD2

Student Affairs and Success Center
(253) 833-9111, ext. 2188

KGRG FM and KGRG – 1 (KGRG-FM HD2) are radio stations owned by Green River College. The stations are operated by students in the radio broadcast program.

LIBRARY

Holman Library
(253) 833-9111, ext. 2090
greenriver.edu/library

The Holman Library building is a 60,000 square-foot information and technology center. It houses the college library, an open computer lab, instructional classroom space, an art gallery, and media services for faculty.

MATH LEARNING CENTER

Cedar Hall, Room 313
(253) 833-9111, ext. 4498
greenriver.edu/student-affairs/tutoring-and-resources/math-learning-center.htm

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.

OTHER CAMPUS LOCATIONS

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

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), Adult Basic Education (ABE), 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 that send employees to the campus for business training.

Kent Campus

417 Ramsay Way, Suite 112, Kent, WA 98032
(253) 856-9595
greenriver.edu/kent

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

Enumclaw Campus

1414 Griffin Ave, Enumclaw, WA 98022
(253) 288-3400, ext. 3400 or (360) 829-2450
greenriver.edu/enumclaw

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

Small Business Assistance Center

greenriver.edu/businesscenter

Enumclaw

1414 Griffin Ave, Enumclaw, WA 98022
(253) 288-3400

Kent

417 Ramsay Way, Suite 112, Kent, WA 98032
(253) 520-6260

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.

PARKING

Campus Safety
Student Affairs and Success Center
(253) 833-9111, ext. 3350
greenriver.edu/transportation

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. Additional free parking is available at Pacific Raceways and the Grace Lutheran church. Students are encouraged to use the Shuttle bus program. Shuttle buses run from 7:30 a.m. to 5 p.m. daily Pacific Raceways to the Holman Library and back during instructional contract days during fall, winter and spring quarters. Shuttle service is not available for the summer academic quarter. Shuttles run approximately every fifteen minutes throughout the day and are available to any student, staff or faculty member.

PERFORMING ARTS

greenriver.edu/musicprogram

The college is home to the Green River Jazz Voices and two theater groups. The college's theatre program offers a play or musical each quarter with a student cast, and the college's resident community theater group, the Heavier than Air Family Theatre Company, puts on family-friendly productions at various times of the year. For ticket information, call Campus Life at (253) 833-9111 ext. 2400.

RECREATION AND ATHLETICS CENTER

Mel Lindbloom Student Union
(253) 833-9111 ext. 2481

The RAC located in the Lindbloom Student Union allows students open access to aerobic, strength and fitness equipment during posted hours. Student intramural events such as basketball, volleyball, badminton, and indoor soccer are offered in the RAC gymnasium. Students with a Green River College ID can also check out athletic equipment to use in the facility during open gym hours. Club sport and Intercollegiate Varsity sport opportunities are also organized by the RAC staff.

RUNNING START PROGRAM

Student Affairs and Success Center
(253) 833-9111, ext. 2674
greenriver.edu/RunningStart

Running Start is a program that allows eligible high school juniors and seniors enrolled through a public high school or district the opportunity to earn college credit at a significantly reduced cost. For more information, see Running Start in the Academic Information Section.

STUDENT HANDBOOK

greenriver.edu/studenthandbook

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
Campus Life Office
(253) 833-9111, ext 2400

Here in Student Life, we recognize that lifelong connections are formed both inside and outside the classroom. We have program activities and events that will provide opportunities to connect to your community at Green River, as well as the greater King County area.

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

(253) 833-9111, ext. 2566
greenriver.edu/transportation

Green River participates in the Washington Commute Trip Reduction Program (Chapter 468-63 WAC). Students are encouraged to ride the bus or carpool to campus. 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 with financial incentives, as well as guaranteed parking on a pay by the day or by the quarter basis.

The Safety Ride Program provides marked vans that will transport persons to and from campus to local businesses within the Green River area 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
(253) 833-9111, ext. 2655
greenriver.edu/trio

TRiO is a federally-funded program offering intensive support for qualified students who are in a degree program of study and who intend to graduate and transfer to four-year institutions. TRiO provides individualized assistance for its participants who may need additional support adjusting to college culture, transfer advising, or extra academic help in core classes.

TUTORING AND RESOURCE CENTER

Holman Library
(253) 833-9111, ext. 2658
greenriver.edu/trc

Students who need help keeping up with their classes can receive free tutoring at the Tutoring and Resource Center. Faculty-approved tutors provide assistance with all subject areas except math. See Math Learning Center on page 10.

VETERAN SERVICES

Student Affairs and Success Center
253-833-9111, ext. 2466

Any students wishing to use their VA educational benefits (CH 30, 31, 33, 35 and 1606) can access our VA education benefit specialists to initiate their benefits at Green River College.

VETERANS RESOURCE CENTER

Student Affairs and Success Center
253-833-9111, ext. 2277

Students are welcome to visit our Veteran Resource Center for a quick coffee break, or to find out more information about available resources. Our Vet Corps Navigator can assist veterans and their family members by connecting them to resources on and off campus.

WELCOME DESK

Student Affairs and Success Center
(253) 833-9111, ext. 6000
gettingstarted@greenriver.edu

The Welcome Desk staff provides new and prospective students and the greater community with general campus information, campus tours, referrals to other campus services, assistance with the admissions process, and entry advising services.

WRITING CENTER

Rutkowski Learning Center, Room 173
(253) 833-9111, ext. 2166
greenriver.edu/wc

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.

For more information on all of Green River's Student Affairs, please visit greenriver.edu/resources/index.shtm.



GET STARTED AT GREEN RIVER

APPLY

PLACEMENT

MONEY FOR COLLEGE

ADVISING AND
REGISTRATION





GET STARTED AT GREEN RIVER

1 DETERMINE YOUR FUNDING



- Find all options for funding your education at greenriver.edu/moneyforcollege, including the STEP payment plan, Financial Aid, Veterans benefits and Workforce Education.
- **Financial aid priority dates:** fall (March 15); winter (Oct. 15); spring (Jan. 15); summer (April 15)
 1. Submit a completed Financial Aid Supplemental Application; available at greenriver.edu/financialaid.
 2. Include Green River's school code (**003780**) when completing the online application for either;
 - Choose one: • FAFSA: fafsa.gov OR • WASFA: readyssetgrad.org/wasfa
- Questions? Contact Financial Aid at 253-833-9111, Ext. 2449 or finaid@greenriver.edu.

2 ADMISSION



- Apply for admission online at greenriver.edu/applynow.
- Pay the \$20 nonrefundable application fee with tuition.
- Activate your required student email account at greenriver.edu/studentemail.
All Green River communication will be sent to your Green River student email account.
- Questions? Contact Enrollment Services at 253-833-9111, Ext. 2500 or enrollmentservices@greenriver.edu.

3 DETERMINE YOUR COURSE PLACEMENT



- Course placement can be determined through various means including high school coursework or assessments, college level coursework, and placement assessments; visit greenriver.edu/placement for more information including preparation resources.
- Placement assessments are available on a drop-in basis at the Assessment & Testing Center and by appointment at the Enumclaw or Kent campus; find more information at greenriver.edu/testing.
- Questions? Contact the Career & Advising Center at 253-833-9111, Ext. 2641 or gettingstarted@greenriver.edu.

4 COMPLETE ADVISING AND REGISTRATION



- All students new to Green River must complete Student Orientation to Advising and Registration (SOAR). SOAR sessions are available in-person and online; visit greenriver.edu/soar for more information and to sign up.
- Questions? Contact the Career & Advising Center at 253-833-9111, Ext. 2641 or gettingstarted@greenriver.edu.

5 CONFIRM ONLINE



- View your schedule to confirm your official registration record.
- Remove yourself from any unwanted class waitlists.
- Confirm tuition and fees are paid in full OR your funding source is in place.
- Check your Green River student email on a **regular** basis.

GET STARTED



APPLY

Who Can Apply?

Admission to the college is open to anyone who has a high school diploma, High School Equivalency Certificate, or is at least 18 years old. Green River welcomes people of all income levels, backgrounds and previous educational experience. Students who do not meet these requirements should see the Age Exception policy in the Academic Information section of this catalog.

When Should You Apply?

Students who plan to start classes fall quarter may apply any time beginning Dec. 1 of the preceding year. Students who complete the entry process first, get to register first, so applying early is an advantage. Students who plan to begin their studies winter, spring or summer quarter may apply any time prior to the beginning of that quarter.

Students may begin most programs any quarter, but some career/technical programs begin fall quarter only. See area of interest in the Programs of Study section of this catalog to determine program entry times.

How Do You Apply?

Students may apply for admission:

- Online at greenriver.edu
- In person on the first floor of the Student Affairs and Success Center

After the college has processed the application, students will be emailed an acceptance letter to their Green River email account within two business days of receiving their student identification number (SID). The letter or email will include their student identification number and important informational links guiding you through the getting started process.

Application for Readmission

Students, who have not attended Green River for at least one quarter, may reapply online, on the first floor of the Student Affairs and Success Center, or by calling Enrollment Services. Once their record has been updated, they will be assigned a registration time two weeks prior to the start of the quarter. Only students who have earned credit at Green River in the past are eligible to register as returning students.

Health Sciences Special Admission Requirements

Practical Nursing, Nurse Assistant Certificate, Occupational Therapy Assistant and Physical Therapist Assistant programs have special admission requirements to ensure student success. Students need to refer to the Programs of Study section in this catalog for individual program requirements. For more information, contact the Career and Advising Center at ext. 2641.

The Health Sciences programs comply with the "Child/Adult Abuse Information Act," RCW 43.43.830-43.43.840. Each Health Sciences student is required to submit to a background investigation for criminal history information prior to entry into the program.

International Students

Admissions

Qualified international students are admitted to Green River College each of the four academic quarters. International student applicants should submit an international application form no later than five to six weeks prior to the beginning of the academic quarter for which they want admission to the college. (See the calendar on the inside front cover for quarter dates.) The admissions process must be completed before the International Programs office will issue the Certificate of Eligibility Form I-20.

On the basis of their educational background and knowledge of the English language, international students may be admitted either to the college's academic or career/technical programs or to the Intensive English program.

Second Language Program (IESL)

Application Requirements

- Must be a high school graduate or at least 16 years of age;
- Complete an international application for admission and submit it to Green River's International Programs office;
- Send a \$50 application fee;
- Submit one of the following as a statement of financial support for one full year of study in the United States:
 1. Personal or family sponsored: Bank statement, certification of wages, or similar statement of financial resources
 2. Government or company scholarship: Official sponsorship letter
 3. Sponsor living in the United States; Notarized I-134 sponsorship document

Transfer-In Students

Admission of students transferring from other colleges is regulated by the same academic standards that apply to other 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 and those who have military experience or advanced placement credit must provide the Enrollment Services Office with official transcripts in a sealed envelope, along with a transcript evaluation request form.

Records become the property of Green River and will not be returned to students. Students will be notified by email that their transcript evaluation has been completed. This correspondence will become part of the student's official record.

It is to the incoming student's advantage to request a transcript evaluation as early as possible. Registration access times at Green River are calculated on a credit-earned basis. Evaluated (accepted) credits will be used to assign an earlier registration access time after students have attended their first quarter at Green River. A transcript evaluation must be completed by the credentials evaluator prior to the next quarter's registration in order for students to get an earlier registration access time.

Student E-mail Addresses

Students are automatically assigned a Green River email account. The college will use this email address for official communication with all students. Official college policy requires every student to read his or her Green River email account regularly. Students may set up their accounts by visiting greenriver.edu/StudentEmail and following the instructions listed.



PLACEMENT greenriver.edu/placement

Most courses require an assessment of a student's skill level in reading, writing and/or math to ensure students are prepared to successfully complete the course. Placement in reading, English, and math courses can be determined through various means including: the College Success Reading assessment, WAMAP math entrance exam, high school transcripts, college transcripts, Smarter Balance Assessment, Advanced Placement (AP), International Baccalaureate (IB), and the placement reciprocity process.

For more detailed information, available review materials and eligibility requirements for each placement option, please visit greenriver.edu/placement.htm. Questions regarding student placement should be directed to the Career and Advising at (253) 833-9111, ext. 2641 or gettingstarted@greenriver.edu.

College Success Reading Assessment

The College Success Reading assessment is the first step for many new students to determine course eligibility. There is a fee of \$10 each time, payable at the time of the assessment. It is available on a drop-in basis at the Assessment and Testing Center or by appointment at the Enumclaw and Kent campuses. For more information visit greenriver.edu/testing or call the Assessment and Testing Center at (253) 833-9111 ext. 2650.

WAMAP Math Entrance Exam

Students may wish to place into a specific math class through an entrance exam. This computerized assessment utilizes the Washington Mathematics Assessment and Placement (WAMAP) system. WAMAP has a fee of \$10 per level and students are strongly encouraged to familiarize themselves with the system prior to attempting the exam.

High School Transcripts

Recent graduates from specific school districts may be eligible to use high school transcripts for placement in math, English and other courses. Unofficial transcripts may be used for placement purposes.

College Transcripts

Students who have previously completed courses at another college or university may be eligible to use those transcripts for placement into a variety of courses. Unofficial transcripts that include the student's name and name of institution may be used for placement purposes at Career and Advising; however official transcripts and submission of a Transcript Evaluation Request to Enrollment Services will be required for credits to be applied toward degree requirements.

FINANCIAL AID PROGRAMS	
Grants/Programs	Brief Description
Federal Pell Grant	A federal grant program for undergraduate students.
Federal Supplemental Educational Opportunity Grant	A federal grant program for undergraduate students.
Washington State Need Grant	A state grant program for undergraduate students.
State Tuition Waiver	A state program to cover tuition costs.
Employment Programs	
Federal Work-Study	A federal program to provide employment opportunities for students on or off campus.
Loan Programs	
Federal Direct Loan	A federal loan program with deferred repayment and fixed interest rates.
Federal Direct Plus Loan	A federal loan program for parents of dependent students with a fixed interest rate.
Scholarships	
Green River Foundation Scholarships	A variety of scholarships funded by the Green River Foundation.
Agency Funded Programs	
A variety of funding options are addressed on page 17	Many agency funded programs are available including, but not limited to, veteran's benefits and funding for low-income students.

Smarter Balanced Assessment

Recent graduates and prospective Running Start students of Washington State school districts may be eligible to use their High School Smarter Balanced Assessment scores for placement in math and English courses as well as any course for which they meet the math and/or English prerequisites.

Advanced Placement (AP) and International Baccalaureate (IB) credits

Students who have taken the AP examination or earned IB credits in certain subjects may be able to use those for placement. (See Advanced Placement table and International Baccalaureate table in the academic information section for more information.)

Placement Reciprocity Policy

A student who qualifies for a specific level of pre-college math, English or reading, either through course completion or local skills assessment, will have that course placement level honored at another Washington CTC if the student so requests, even if the courses may not be exact equivalents. A student who qualifies for entry into college-level math, English, or reading, either through course completion or local skills assessment, will be considered to have met the entry college-level standard at every community and technical college. Students requesting reciprocity must initiate the process within one year of their placement assessment.

Placement in Foreign Language Courses

Beginning students or those with one year or less of a high school language begin in foreign language courses numbered &121 unless otherwise placed by a foreign language instructor.

Students who have taken more than one year of a high school foreign language may be able to use their High School transcript for placement at Career and Advising.

Students who have taken a college-level foreign language should continue the sequence.

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 offers multiple funding assistance programs. Green River's philosophy is that people should have the opportunity to achieve their educational goals, regardless of income. Grant, loan, work-study and agency funded programs may be available for those who qualify for assistance. For more information on funding options please visit greenriver.edu/MoneyForCollege.

How to Apply for Financial Aid Process

Students should complete the Free Application for Federal Student Aid (FAFSA) online at FAFSA.gov or WASFA at readyssetgrad.org by March 15 to receive funding the following fall quarter. Applications completed after March 15 will be awarded only if funds remain available.

Students need to re-apply for financial aid each year.

Students will be notified of any financial aid award by mail and email. Award notifications will be mailed beginning in June and continue throughout the year. For more information, contact the Financial Aid Office.

Green River College does not discriminate on the basis of race, creed, color, national origin, sex, sexual orientation, age, marital status, religion, disability, genetic information or on any other unlawful basis. The college is committed to preventing and stopping discrimination, including harassment of any kind and any associated retaliatory behavior.

Tuition Rates <i>Tuition and fees are subject to change by the Washington State Legislature.</i>	Washington Resident	U.S. Citizen/Immigrant Non-Resident Waiver	International and Other Non-U.S. Citizen
Per credit charge (1-10 credits)	\$102.75	\$115.94	\$278.84
Per credit charge (11-18 credits)	\$50.90	\$51.60	\$149.00
Per credit charge (19 credits and over), except as noted below for those who qualify.	\$92.17	\$105.40	\$268.26
Career/Technical surcharge for more than 18 credits (per credit)	\$50.90	\$51.60	\$58.00
* Veterans per credit charge (1-10 credits)	\$92.48	N/A	N/A
* Veterans per credit charge (11-18 credits)	\$50.90	N/A	N/A
* Veterans surcharge for more than 18 credits (per credit)	\$92.17	N/A	N/A
High School completion age 19 and over (per credit - up to 18 credits)	\$12.00	\$102.75	\$278.84
*See Enrollment Services Office for specific guidelines. Copy of DD214 required. NOTE: Students auditing classes pay regular tuition and fees.		Non-Resident waiver—U.S. citizens and INS-approved permanent residents are eligible for this waiver while establishing their Washington state residency. International and other—Visa classifications that are not eligible to establish residency, including international students.	

Eligibility

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

- Have a high school diploma or GED.
- Be enrolled in an eligible degree or certificate program.
- Be a U.S. citizen or national, or an a permanent resident, or refugee/asylee.
- Meet satisfactory academic progress standards.
- Not owe a refund on any federal grant or be in default on a federal student loan.
- Register for selective service, if male and age 18 or older; and not recently convicted of possession or sale of a controlled substance (illegal drugs).

Scholarships

The Green River College Foundation offers more than 300 scholarships to new and returning students each year. Scholarship criteria can range from areas such as talent, academics, career interest and program of study or leadership to a need basis or single parent status. In addition, the Financial Aid Office provides scholarship search resources, scholarship listings and applications from off-campus.

Agency-Funded Programs

Students working with agencies such as Labor and Industries, Workforce Training, Work Source, Trade Readjustment Act, or other agencies that are assisting in the funding of tuition, fees, books and supplies, should come to the Financial Aid Office to turn in paperwork.

Veteran's Benefits

VA Educational 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 Education Coordinating Board (WTECB) for enrollment of persons eligible to receive educational benefits Chapters 30, 33 and 35, under Title 38 and Chapters 1606 under Title 10, U.S. Code. In addition Vocational Rehabilitation and Employment (VR&E) benefits – Training and Rehabilitation for veterans with service connected disabilities under Title 38, U.S. Code, Chapter 31.

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) must be submitted and evaluated by the end of the third quarter of enrollment at Green River College. If classes are certified to the Department of Veterans of Affairs for payment of education benefits that are not required in your 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. Failure to request official transcripts and military credits and have those credits evaluated by the end of the 3rd quarter will result in suspension of VA benefits.

Academic Standards

The law requires that education benefits to veterans and other eligible dependents be discontinued when the student ceases to make satisfactory academic progress (SAP) toward completion of his or her program of study. To meet SAP, a student receiving VA educational benefits must earn an overall GPA of 2.0 or higher each quarter and earn all eligible credits certified to the VA. If a student does not meet SAP, he or she will be placed in probation status. If a student on probation status does not make satisfactory academic progress, the student will be in 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, enrolled in at least ¾ time, and meet SAP for that 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.

Vocational Rehabilitation and Employment – Chapter 31

Veterans utilizing their CH 31 Vocational Rehabilitation benefits must work directly with their VA Vocational Rehabilitation Counselor with the Department of Veterans Affairs. The Voc Rehab counselor will send GRC the necessary authorization paperwork to activate your benefits.

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 Cashiers Office (x2050) for further information.

WorkFirst Tuition Assistance

WorkFirst helps needy men and women 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.

With commissioner approval, Worker Retraining students can enroll in career/technical training, continue to draw the unemployment benefits to which they are entitled, and stop seeking work if it interferes with classes or studies. In addition, students who have been self-employed or consider themselves displaced homemakers may qualify for Worker Retraining assistance.

Tuition Payment Plan

Our Student Tuition Easy Payment Plan (STEP) allows students to pay for their classes on an installment basis.

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

Tuition and fees are set by the state legislature and are subject to change.

See the Tuition Rates chart below. Current tuition rates are published in the quarterly class schedule.

Other Fees

A special services fee of 50 cents per credit is applied to all credits.

A technology fee of \$5 per credit to a maximum of 12 credits, not to exceed \$60. This fee was established by a student vote to cover the cost of equipment, printing, and tech support for the Technology Center.

A facilities fee of \$17.50 minimum for 1 to 5 credits, and \$3.50 per credit after 5 credits, no maximum.

A late fee of \$35 per class will be applied to all classes added after the 10th day of the quarter.

A student center fee of a flat \$45. This fee was established by a student vote to cover the cost of a new student center).

Special fees (All fees are subject to change)

College Success Assessment	\$10
WAMAP	\$10
Spelling	\$5

*See greenriver.edu/placement for all placement options

Cap and gown, tassel	\$24
Locker fee (refundable)	\$7.50
STEP	\$25
Transcript fee online	\$10
Transcript fee in person, on demand	\$25

Special Courses

Parent-Child Education	\$20 per credit
Basic Skills	\$25 per quarter
Apprenticeship	\$51 per credit

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.

**ADVISING AND REGISTRATION****ENTRY ADVISING**

New students meet with a Getting Started Specialist in Career and Advising to determine placement after completing a placement assessment or if they are utilizing another means of course placement. (See earlier in the Get Started section for more placement information.) In this session, students understand their course placement in reading, English and math courses as well as their program requirements in these subjects. Additionally, funding options and appropriate next steps such as reassessment options, meeting with faculty, attending an information session, and completion of a SOAR session are addressed. During entry advising, students are assigned an advisor appropriate to their program of study for future assistance.

Student Orientation to Advising and Registration (SOAR)

SOAR sessions allow students to gain an understanding of degree requirements and eligibility as well as learn the process of registering for classes using various online tools. SOAR sessions are available in-person, led by educational planners. Visit greenriver.edu/SOAR.htm for more information and to sign-up for sessions.

Future Quarter Advising

Faculty advisors and the Career and Advising Center staff are available to guide students through the process of creating academic plans to meet their educational needs. 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, Green River suggests:

- 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.
- Students should determine the classes they need to complete their educational goals.
- Making a list and asking your advisor to help map out 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.

Additional advising resources are available under Career and Advising Center in the Current Student section on the Green River website.

Registration

The final step is to secure class selection. Registration is the process by which students schedule classes for upcoming quarters. Dates to register for classes are announced by the college each quarter and published in the quarterly class schedule and the Green River website.

Students may view their registration access time online at <https://grcc.greenriver.edu/Register/waci004.html>.

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

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 15 to 18 credits each quarter.

If students are enrolled in a career/technical degree or certificate program, a load of 25 credits is the maximum for which they may register per quarter. Students must have permission from an administrator for a credit overload.

If students are not in a career/technical program and wish to enroll for more than 20 credits, they must complete a Student Request for Credit Overload 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, they may want to limit themselves to a 12-credit load. Twelve credits is the normal requirement for eligibility in the activity program at Green River and the Northwest Athletic Association of Community Colleges.

When to Register

Currently enrolled students are assigned registration access times determined by the number of credits earned at Green River, and transferred-in credits from other institutions that have been evaluated by Green River. Registration dates are listed in the quarterly class schedule and Green River website and registration access times are posted two weeks prior to the start of registration.

Students may view their registration access time through our website at greenriver.edu/online, then "registration access time."

New student registration begins following the currently enrolled student registration cycle. New students who have an application on file will automatically be assigned a registration access time. New students are eligible to register upon completion of their SOAR session.

Advising is required for students their first quarter.

Online Registration

Personal Identification Number (PIN)

Each student's PIN is a randomly assigned number. He or she will be assigned a PIN once they have completed their SOAR session.

To change student pin via the web:

- Visit greenriver.edu/online;
- Select "Student PIN change" and follow the prompts.

Web Inquiry Option

In addition to registering, the web offers a variety of inquiry options.

Once the student has accessed the web, a menu will walk them through the steps. The options available:

- Books online
- Class Information
- Degree Audit
- Financial Aid Inquiry
- Registration Access Time
- Web Registration
- Schedule Planner
- Student PIN Change
- Student Schedule
- Tax Credit Information
- Unofficial Transcript
- Manage My Waitlist
- Look up SID #

Last Day To Register

Students must register by the third day of classes, except for summer quarter, when students must register 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.

Please note, a late fee of \$35 per class will be applied to all classes added after the tenth day of the quarter.

No-Show Replacement

The No-Show Replacement form is used when a class is at full capacity, a student is registered but not attending, and another student is attending the class waiting to register. If a student misses the first class session without notifying the instructor, the instructor may complete the No-Show Replacement form allowing another student entry into the class and the student not attending may be submitted as a no-show. If submitted as a no-show, the student will be dropped from the class roster by Enrollment Services.

Withdrawal and Refund Policy

Credit Classes

The refund period for fall, winter and spring quarter 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 a withdrawal/change of schedule 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 cancelled by the college.
- 100 percent refund of tuition and fees - through the fifth instructional class 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 made.
- Appeals to the refund policy must be submitted to the Enrollment Services Office in written form with supporting documents attached. Refund appeals must be received by the Enrollment Services Office within one year 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.

For summer quarter please refer to the summer quarterly class schedule for refund dates and policy.

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 or classes 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 or classes because of misconduct.
- The Board of Trustees indicates in the college catalog, quarterly class schedule, or course announcement, that such fees are nonrefundable.

Please note these additional conditions:

- Course fees for self-supporting, continuing education and some Kent Campus classes are exempt from this refund policy. (Contact the Continuing and Community Education Office or Kent Campus for further information.)
- Exceptions may be made for medical reasons or unforeseen military duty. A written appeal must be sent to the registrar with documented proof.
- Students who have paid fees for equipment or materials that 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 through the first day of the quarter (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 fees that are non-refundable and not subject to this policy will be set by the college's Board of Trustees and identified as such in the quarterly class schedule.
- Special services fee (50 cents per credit) will be refunded for withdrawals through the first day of the quarter (or prior to or on the first session of class for identified late-start classes that begin after the first week of the quarter).

Complete Withdrawal from 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 using online services through the eighth week of the quarter.

Please refer to the college's Academic Standards and Progress Policy in the Academic Information section of this catalog.

Forms

Change of schedule forms, which enable students to request refunds, are available in the Enrollment Services Office and on the web. Forms are also available for requesting an exception to the refund policy.

Appeals

Students have the right to appeal refund decisions within one calendar year of their payment when there are special circumstances involved. All appeals must be submitted to the registrar in writing with documented proof.

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 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, they 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.

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 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 be either:

1. Financially independent student:
 - a. Have 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**
 - b. Be financially independent.

OR

2. Financially dependent student:
 - a. Be 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 Enrollment Services:

- Residency Questionnaire
- Required documentation to support independent or dependent status
- Required documentation to support previous 12 months domicile in Washington

Students may apply for residency reclassification no later than the 30th calendar day of the quarter.

HB 1079 (Undocumented Person) Waiver

Effective July 1, 2003, Washington state law was changed, presumed undocumented students or non-immigrant visa holders who meet certain criteria are eligible for resident student status and resident tuition rates. To qualify students must meet the following: have resided in Washington state for 3 years immediately prior to receiving a high school diploma, completed their full senior year at a Washington high school or completed the equivalent of a high school diploma in Washington State, have completed an affidavit promising to apply for permanent residency in the United States at the earliest possible opportunity and indicate a willingness to engage in activities necessary to acquire citizenship.

Refer to the Residency Reclassification Checklist for complete details. Residency questionnaires are available online, in Enrollment Services, or by calling (253) 833-9111, ext. 2500.

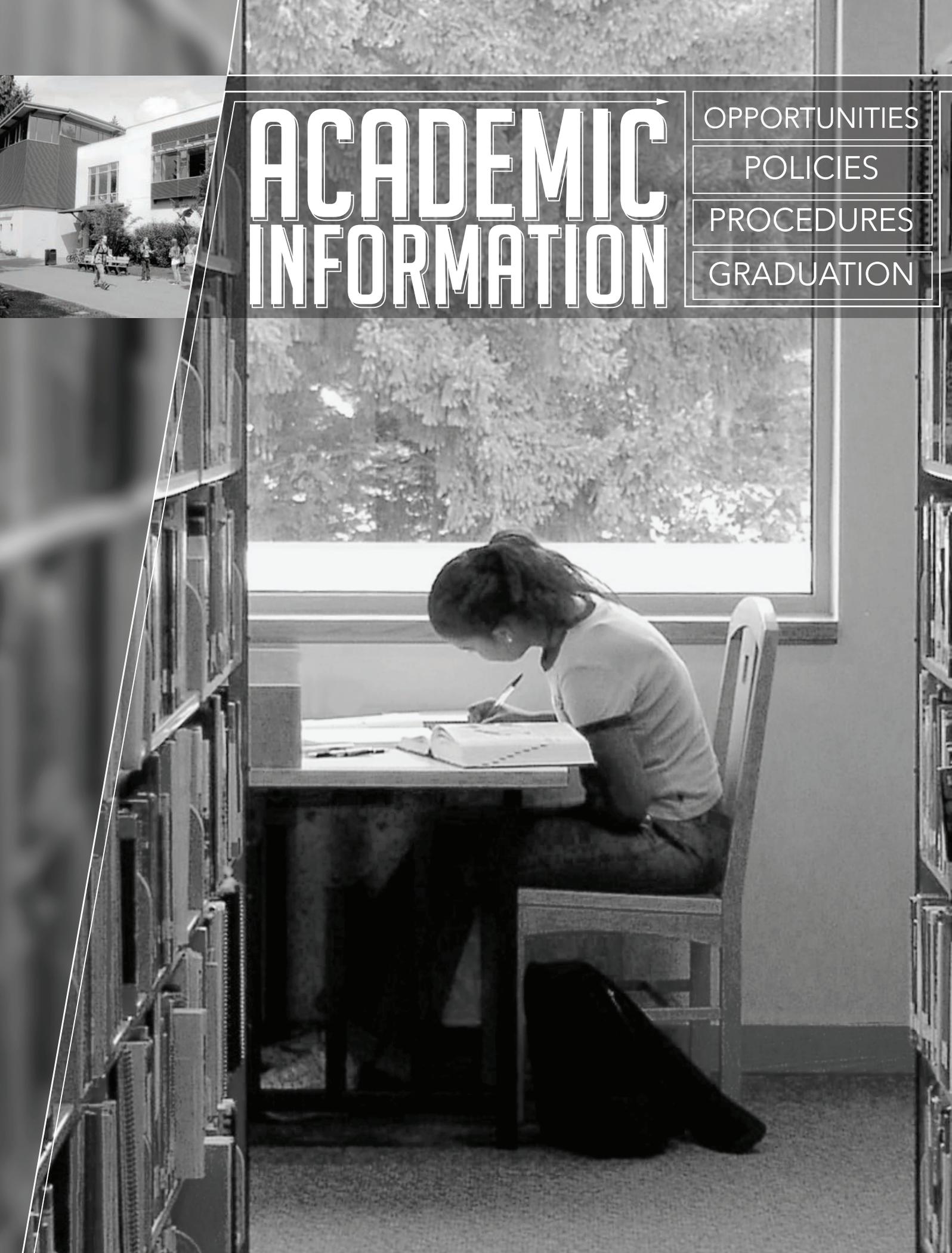
Waitlist Procedure

How do you get into a class that is full?

Entry codes **will not** allow you to by-pass the waitlist option and register yourself into a full class. The waitlist process works as follows:

- Web or in-person registration will provide the option to waitlist into a full class. All prerequisites must be met to be added to a waitlist.
- You can add your name to three separate waitlists – an example would be math, English and chemistry.
- Cluster classes are moved from the waitlist in the order the students were added.
- Review your schedule every few days via the web to see if you have been added to the class.
- You are responsible for making sure your schedule is accurate by dropping any unwanted classes. Failure to do so will result in a 0.0 grade being posted to your transcript and possible extra tuition and fees.

- To remove your name from a waitlist:
 1. Go to greenriver.edu/online
 2. Select Manage My Waitlists under Register for classes
 - You may also stop by Enrollment Services to request that your name be removed.
 - Two days prior to the start of the quarter, the waitlist is deactivated and students can no longer add their name to the waitlist. Waitlists are then held by the instructor of record.
 - If you have not moved off the waitlist and into the class by the first day of the quarter then you need to attend the first class session and identify yourself to the instructor.
 - Attending the first class session will not guarantee admittance in to the class.
- Students are responsible for the accuracy of their class schedule. If you are registered for a class that you no longer plan to attend, withdraw from the class online, or stop by Enrollment Services.



ACADEMIC INFORMATION

OPPORTUNITIES

POLICIES

PROCEDURES

GRADUATION

ACADEMIC OPPORTUNITIES

BASIC SKILLS PROGRAM

(253) 833-9111, ext. 2315

Green River's Basic Skills Program is designed for adults who need to strengthen basic reading, writing, mathematics, and study skills. Students may be starting a college program, gaining skills to enter a career/technical program, preparing to take the high school equivalency tests, or updating skills for a job or other personal goals.

Green River's Basic Skills Program offers a variety of instructional methods including the use of lecture, group work, technology, and individualized study. Classes are designed to serve a range of academic skill levels. (Levels and learning standards are determined by the State Board for Community and Technical Colleges. Entering students take a placement test to determine level.) Classes are offered in morning, afternoon and evenings at each of the campus sites.

COLLEGE IN THE HIGH SCHOOL

(253) 833-9111, ext. 2674

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 that applies toward an associate's 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 greenriver.edu/collegeinhs for more information.

ELEARNING

(253) 833-9111, ext. 3354

eLearning courses offer students additional opportunities to pursue courses, degrees, and certificates that might not otherwise be available. These courses utilize educational technologies such as course delivery systems and the Internet, in addition to regular class materials to assist students. Hybrid courses and telecourses require on-campus meetings for orientation, discussion, or testing. Although eLearning courses are convenient, to be successful students need to have strong motivation, self-discipline, and good learning skills.

The current quarter's eLearning course offerings can be viewed by visiting grcc.greenriver.edu/elearning-schedule/. This site lists the courses, the instructor and directions to the class sites.

ONLINE COURSES

Green River Online Courses

Green River faculty have adapted courses they regularly teach in the classroom for online delivery using a course delivery system and the Internet. Internet access is required for these courses. Students will enjoy the flexibility that online courses provide although they do follow a regular schedule of readings, tests and assignments. No on-campus attendance is required for an online course but the instructor may require proctored tests. If so, the instructor will work with the student so they are able to take their test no matter where in the world they may live. Most Green River

online courses use Canvas for course delivery. Please go to grcc.greenriver.edu/elearning-schedule/ for the current schedule and directions to the course.

Hybrid Courses

Hybrid courses are developed by Green River faculty and combine online learning with the traditional classroom format.

Class meetings are held according to a schedule provided by the instructor, with the remaining coursework completed utilizing Canvas and/or other established websites. Visit grcc.greenriver.edu/elearning-schedule/ for the current schedule and more information about courses.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

(253) 833-9111, ext. 2315

ESOL classes are designed for adult immigrants and refugees 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

(253) 833-9111, ext. 2315

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 description portion of this catalog, and in the quarterly class schedule.

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

INTENSIVE ENGLISH AS A SECOND LANGUAGE

(253) 833-9111, ext. 3300

Green River's Intensive English as a Second Language (IESL) program is designed to give nonimmigrant international students the strong English communication skills necessary for success in college. The IESL program is for students who score lower than 61/500 on TOEFL, or 5.5 (all bands at least a 5.0) on IELTS.

The program includes five levels of courses in speaking and listening (oral), grammar, writing, reading, and optional TOEFL for level five students. Free tutoring is available for IESL students. Classes meet four hours a day, five days a week, with a special schedule during summer quarter.

After successfully completing the IESL program, international students can enroll directly in Green River's academic classes.

PROJECT TEACH

(253) 833-9111, ext. 4360

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

Green River also provides a Teachers of Tomorrow club; specific courses to fit the needs of educators; many opportunities to connect with teachers in K-12 classrooms; scholarships; and knowledgeable faculty advisors to help students plan their teaching career path.

For more information about Project TEACH, visit our website at projectteach.org.

STUDY ABROAD

(253) 833-9111, ext. 2160

Green River College provides students with the opportunity to study abroad while earning Green River transferable credits. Students typically receive 15 academic transfer credits for a ten week program of study which is taught by faculty meeting the same credential requirements as on-campus classes. Classes are often taught in a coordinated fashion, taking advantage of the local history, art, language, and culture to enrich the experience. Courses and classes are subject to the same standards as on campus. Experienced program partners provide extensive logistical support and operations. Programs are currently available in Australia/New Zealand, Japan, England, Italy, Costa Rica, Spain, Germany, and others.

Visit greenriver.edu/studyabroad for more information.

RUNNING START

(253) 833-9111, ext. 2674

Running Start, a program created by the Washington state Legislature, provides an opportunity for academically qualified high school juniors and seniors to earn college level credit at a significantly reduced cost (courses numbered 100 or higher). Qualifying students must place eligible 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 greenriver.edu/RunningStart.

TECH PREP**(253) 833-9111, ext. 2500**

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 Tech Prep "Dual Credit" 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.

Earning Tech Prep "Dual Credit" is easy!*

1. Students enroll in high school Career and Technical Education classes offering Tech Prep "Dual Credit."
2. Earn a "C" (2.0) or higher
3. Apply for Admissions at Green River College.
4. Complete tech prep evaluation request and give it to enrollment services office.

TRANSITIONAL STUDIES PROGRAM**(253)833-9111, ext. 2315**

Do you want to develop your skills for college or a career/technical program? Is earning your adult high school diploma your goal? Do you need help preparing to take the GED® test? Green River's Transitional Studies Program can help you with any of these goals. This program is designed to give adults opportunities to strengthen reading, writing, mathematics and study skills making them successful in college and career/technical programs and in their daily lives.

In Green River's Transitional Studies classes you will:

Study at your level. (Levels are determined by the State Board for Community and Technical Colleges. Entering students take a placement test to determine level.)

Prepare to meet your goals in classes that include lecture, group work and technology.

Attend class based on your schedule. Classes are offered at morning, afternoon and evening times at each of the college campuses.

WASHINGTON STATE CENTER OF EXCELLENCE FOR CAREERS IN EDUCATION**(253) 833-9111, ext. 4360**

There are ten Centers of Excellence housed at colleges across the Washington state two-year college system. Green River College is home to the Center for Careers in Education. Centers are flagship institutions that build and sustain Washington's competitive advantage through statewide leadership. Each Center focuses on a targeted industry that drives the state's economy and is built upon a reputation for fast, flexible, quality education and training programs. A targeted industry is identified as one that is strategic to the economic growth of a region or state. The center operates collaboratively to support the development of future and current educators, disseminate best practices and offer high-quality professional development experiences.

WORKFORCE EDUCATION**(253) 833-9111, ext. 2211****workforce@greenriver.edu**
go2collegefree.com

Workforce Education administers four grants that support the training and employment goals of students enrolled in career and technical programs at Green River College. These grants provide tuition, books and fees to eligible students. For more information, please visit go2collegefree.com. The four grants are:

Worker Retraining

The Worker Retraining program provides tuition assistance for dislocated and unemployed workers, those facing imminent layoffs, displaced homemakers and honorably discharged members of the military. The program allocates funds on a quarterly basis to help pay for tuition, fees, and books.

WORKFIRST

WorkFirst provides tuition, books, and fees for parents who are currently receiving a Temporary Aid to Needy Families (TANF) cash grant from the Department of Social and Health Services (DSHS).

BFET (Basic Food Employment and Training)

The BFET Program provides tuition, books, fees, and required supplies for adults who live in King, Pierce or Kitsap County and receive food stamps, and do not anticipate having their food stamp case closed prior to the start of the academic quarter. BFET is not available to any adult who receives TANF, since those adults are eligible for the WorkFirst program (above).

Opportunity Grant

Opportunity Grant offers tuition assistance up to 45 credits for low-income adults. In order to be eligible for this grant, a student must be a Washington state resident, enrolled in an approved program of study, and meet family income guidelines.

ACADEMIC POLICIES**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 student progress and goal completion. As part of our responsibility to each student and to the state that helps to fund each student's college education, Green River has established expectations of student progress and academic performance.

The college monitors student progress and academic performance and intervenes when expectations are not being met. In such cases, the college may determine that 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 that student academic progress policies address:

1. Excessive Credits: Students who accumulate more than 125 percent of the number of credits required to complete their degree or certificate programs.
2. Credit Completion: Students who drop more than 25 percent 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 greenriver.edu/Documents/about-grc/policies-and-procedures/SA-01-academic-standards-and-progress.pdf.

ADVANCED CREDITS

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 get started section.

Advanced Placement (AP) (College Board)**Effective July 1, 2009**

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. Grades range from a high of five to a low of one; in most departments, credit and/or placement is awarded for grades 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
Art: Art Appreciation	3-5	ART& 100 (5)	Humanities/Fine Arts/English	
Art: Studio Drawing	3	Elective (5)	Elective	
Art: Studio Drawing	4-5	Art 900	Humanities/Fine Arts/English	
Art 2D Design	3	Elective (5)	Elective	
Art 2D Design	4-5	Art 900	Humanities/Fine Arts/English	
Art 3D Design	3	Elective (5)	Elective	
Art 3D Design	4-5	ART 900	Humanities/Fine Arts/English	
Biology	3-5	BIOL& 100 (5)	Natural Science	Lab
Calculus AB	3-4	MATH& 151 (5)	Natural Science	Basic Skills- Quantitative/Reasoning
Calculus AB	5	MATH& &151, &152 (10)	Natural Science	Basic Skills- Quantitative/Reasoning
Calculus BC	3-5	MATH& 151, MATH&152 (10)	Natural Science	Basic Skills- Quantitative/Reasoning
Chemistry	3	CHEM& 161(6)	Natural Science	Lab
Chemistry	4	CHEM& 161, &162 (12)	Natural Science	Lab
Chemistry	5	CHEM& 161, CHEM& 162, CHEM& 163 (18)	Natural Science	Lab
Chinese Language & Culture	3-5	CHIN& 121 (5)	Humanities/Fine Arts/ English	
Computer Science A	3	Elective (5)	Elective	
Computer Science A	4-5	CS 120 (2)	Elective	
Computer Science AB	3-5	CS& 141 (5)	Natural Science	
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	ENGL& 101 (5)	Basic Skills	Basic Skills- Communication
English Language/Composition	5	ENGL& 101 (5)	Basic Skills	Basic Skills- Communication
English Literature/Composition	3	Elective (5)	Elective	
English Literature/Composition	4-5	ENGL& 101 (5)	Basic Skills	Basic Skills- Communication
Environmental Science	3	ENVS 900	Natural Science	
Environmental Science	4-5	ENVS& 204 (5)	Natural Science	
French Language & Culture	3	FRCH& 121 (5)	Humanities/Fine Arts/English	
French Language & Culture	4	FRCH& 122 (5)	Humanities/Fine Arts/English	
French Language & Culture	5	FRCH& 123 (5)	Humanities/Fine Arts/ English	
French Literature	3	Elective	Elective	
French Literature	4-5	HUMAN 900	Humanities/Fine Arts/English	
German Language & Culture	3	GERM& 121 (5)	Humanities/Fine Arts/English	
German Language & Culture	4	GERM& 122 (5)	Humanities/Fine Arts/English	
German Language & Culture	5	GERM& 123 (5)	Humanities/Fine Arts/English	

ADVANCED PLACEMENT - GENERAL EXAMINATIONS

Examination Name	Minimum Score	Course (Credit)	General Education Category	Comment
Government & Politics: Comparative	3	Elective	Elective	
Government & Politics: Comparative	4-5	POLS& 204	Social Science	
Government & Politics: US	3	Elective	Elective	
Government & Politics: US	4-5	POLS& 202 (5)	Social Science	
History (European)	3-5	HIST 900	Elective	
History (US)	3-4	HIST& 136 or &137 (5)	Social Science	
History (US)	5	HIST& 136 and &137 (10)	Social Science	
History (World)	3-5	HIST 101, 102 or 103 (5)	Social Science	
Human Geography	3-5	GEOG& 200 (5)	Social Science	
Italian Language & Culture	3-5	F/L 900	Humanities/Fine Arts/English	
Japanese Language & Culture	3-5	JAPN& 121 (5)	Humanities/Fine Arts/ English	
Latin Literature	3	Elective (5)	Elective	
Latin Literature	4-5	HUMAN 900	Humanities/Fine Arts/ English	
Latin: Virgil	3	Elective	Elective	
Latin: Virgil	4-5	HUMAN 900	Humanities/Fine Arts/ English	
Latin Literature & Culture	3	Elective (5)	Elective	
Latin Literature & Culture	4-5	HUMAN 900	Humanities/Fine Arts/ English	
Music Theory	3	MUSC& 131 (3)	Humanities/Fine Arts/ English	
Music Theory	4-5	MUSC 900 (5)	Humanities/Fine Arts/ English	
Music Listening /Literature	3-5	MUSC& 105 (5)	Humanities/Fine Arts/ English	
Physics 1	3-5	ELECTIVE (5)	Elective	
Physics 2	3-5	ELECTIVE (5)	Elective	
Physics B	3	ELECTIVE (5)	Elective	
Physics B	4	PHYS& 114 and 115 (10)	Natural Science	Lab
Physics B	5	PHYS& 114, 115 and 116 (15)	Natural Science	Lab
Physics C (Mechanics)	3	ELECTIVE (5)	Elective	
Physics C (Mechanics)	4-5	PHYS& 221 (5)	Natural Science	Lab
Physics C (Elect. & Mag.)	3	ELECTIVE (5)	Elective	
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& 122 (5)	Humanities/Fine Arts/ English	
Spanish Language & Culture	5	SPAN& 123 (5)	Humanities/Fine Arts/ English	
Spanish Literature & Culture	3	ELECTIVE	Elective	
Spanish Literature & Culture	4-5	HUMAN 900	Humanities/Fine Arts/ English	
Statistics	3-4	MATH& 146 (5)	Natural Science	Basic Skills- Quantitative/Reasoning
Statistics	5	MATH 256 (5) or MATH 146	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& 153, they may receive additional credits.

Note: When numbers 900 or above are assigned, it indicates that there is no specific Green River course equivalent for all or part of that 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& 153, they will earn credit for both Math& 151 and 152. Students may apply through the Mathematics Division and receive Mathematics Division Advanced Placement credits by challenging the course and paying the appropriate fees.

Articulation Agreements

Green River recognizes that 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 that all requirements of the agreement have been met.

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 that 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 that 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 or for more details.

Career/Technical (Tech Prep)

Tech Prep is a course of study that 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 pages 54-102).

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

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.

Submitting Your IB Transcript

The easiest way to ensure that 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 that an official

IB transcript be sent directly to the Green River transcript evaluator. 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.

Military Service School Credits

Credits for military personnel's military school and experiences are granted according to the publications of the American Council on Education. **Current editions are on file with the credentials evaluators in Enrollment Services.**

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

Please note that Green River will accept military basic training experience to satisfy the one-credit physical education activity requirement, providing basic training was completed within the last ten years. Green River will also accept four years of military service to satisfy two credits of the physical education fitness/wellness requirement providing the military service was completed within the last ten years.

Procedure

1. Students should submit official copies of their CCAF, SMART, JST or AART, certified copy of their transcripts or a copy of their DD 214's to Enrollment Services with a request for transcript evaluation form.
2. The credential evaluator will review the record and translate military credit into Green River course numbers and credit values.
3. The student will be emailed a copy of the results and a copy will be maintained in the student's file.
4. Credits will be posted to the "Transfer Credit" portion of the transcript upon graduation only.

INTERNATIONAL BACCALAUREATE CREDIT (IB)

IB Department	Score	Course(s) and Credits	Counts Towards/Comments
African History	7, 6, 5	HIST 224 (5 cr)	Social Science Distribution
American History	7, 6, 5	HIST& 136 and HIST& 137 (10 cr)	Social Science Distribution
Biology	7, 6, 5	BIOL 100 (5 cr)	Lab or Natural Science Distribution
Chemistry	7, 6	CHEM& 161, &162, &163 (18 cr)	Lab or Natural Science Distribution
Chemistry	5	CHEM& 161, &162 (12 cr)	Lab or Natural Science Distribution
East/Southeast Asia and Oceania History	7, 6, 5	HIST 900 (5 cr)	Social Science Distribution
English	5	Engl& 101 (5 cr)	Basic Skills
Environmental Science	7, 6, 5	ENV S 204 (5 cr)	Natural Science
European History	7, 6, 5	HIST 230 (5 cr)	Social Science Distribution
History			See – American History, East/Southeast Asia, European History, and Oceania History
Islamic History	7, 6, 5	HIST 900 (5 cr)	Social Science Distribution
Mathematics HL	7, 6, 5	MATH& 151 (5 cr)	Math/Science Distribution
Mathematics SL	7, 6, 5	MATH 148 (5 cr)	Math/Science Distribution
Mathematical Studies SL	7, 6, 5	MATH 8 148 scr	Math/Science Distribution
Physics	7, 6	PHYS &114, &115 and &116 (15 cr)	Lab or Natural Science Distribution
Physics	5	PHYS &114, and &115 (10 cr)	Lab or Natural Science Distribution

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

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 Prior Learning Assessment request form in coordination with an assigned faculty member and pay regular tuition based on the number of credits requested. Prior Learning credits are awarded for one to two credits per quarter.

Students will be assessed through a course challenge process 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 the prior learning of a student in relation to the competencies of the program and will award credit for demonstrated learning outcomes that are appropriate to the course. This 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 PLA awards and will be posted to the student's transcript. Credits earned through PLA at any Washington Community and Technical Colleges will be accepted toward the appropriate course or program at any other Washington Community and Technical College.

AGE EXCEPTION POLICY

The following guidelines apply to the admission of those persons who do not meet general admission requirements.

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 Services to seek an exception.

Procedure

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 that 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 Services, 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.

GRADING SYSTEM AND POLICY

GRADES

Under Green River's numerical grading system, instructors may report grades from 4.0 to 1.0 in 0.1 increments, and a grade of 0.0. Grades in the range of 0.9 to 0.1 may not be assigned.

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

Additional Grade Designations:

- I Incomplete.** An instructor may record a student's work as Incomplete when the student has been delayed in completing the required work for a good reason. Work may be completed according to an agreement between the instructor and student. The Incomplete agreement will reside with the instructor of record. The Incomplete is not posted to "hours attempted" until the Incomplete is made up. "I" does not affect GPA. The student has four quarters (or less, if instructor indicates) to finish the Incomplete. After four quarters, if the "I" grade still appears on the transcript it will be automatically changed to a 0.0 by Enrollment Services.

N Audit. Indicates the student enrolled for information only (no credit given) and attended class regularly. "N" does not affect GPA. "NC" does not affect GPA.

NC No Credit. 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. "P" does not affect GPA.

P Pass. 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 offered on a pass/no-credit basis.

S Satisfactory. Indicates the student is making satisfactory progress but has not completed all the competencies for a given level of instruction. No credit is awarded. The S grade may be used only for BASIC and ESOL classes numbered under 100. Courses with "S" grade designators cannot be applied toward any degree or certificate program. Courses with "S" grades indicate "work in progress" and do not denote course completion.

W Official Withdrawal. Indicates the student initiated an official withdrawal from class and submitted the proper paperwork to the Registrar's office. See "Withdrawal From Classes" and other appropriate sections. "W" does not affect GPA.

GRADING SYMBOLS

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

- * **Missing Grade.** No grade assignment given. Student must contact instructor.
- R Repeat.** The symbol "R" after a grade indicates the student later repeated the class. The grade/credit from this class does not affect GPA.
- Y Work in Progress.** The class is in progress at grading time. Students should contact the instructor regarding questions about the particular grades earned.

Grades, Obtaining

Students may obtain an unofficial copy of their transcript, which includes all the classes the student has taken at Green River and the grades earned, from the web at greenriver.edu/online-services. clicking on "View/Edit Student Info" and selecting the "Unofficial Transcript" link.

Grading Policy

Grade changes are valid only for courses in which students were OFFICIALLY registered. Approved grade changes will be accepted for up to four quarters following the quarter in which the original grade was assigned. Grade changes are not valid for W or N grades. Grade changes are to be signed by the "instructor of record" or, if the instructor cannot come to campus, by the division chairperson or instructional dean.

Pass/No-Credit Policy (P/NC)

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 for fall, winter, spring, and no later than the fifth week of summer quarter. For students who qualify, the registrar will convert the decimal grade submitted by the instructor either to credit (P) or to no credit (NC). This petition is a contract and is not rescindable.

No more than 25 percent of the required credits may be graded "Pass" to satisfy requirements for the Associate in Arts, Associate in Business, Associate in Math Education, Associate in Pre-Nursing, Associate in Science-Transfer, Associate in Applied Arts, Associate in Applied Science, Associate in Applied Science-Transfer, and Bachelor of Applied Science degree.

Courses with "Pass" grades may not satisfy the transfer requirements of a student's major field. Students are urged to consult the catalog of the four-year institution to which they plan to transfer.

Repeating a Course

Students may repeat a course for which they have earned credit when such a repeat is necessary to satisfy a requirement for improving academic or skill progress (grades). If deemed necessary to repeat, students may only do so twice. (This is defined as two repeats in addition to the original enrollment.) The Health Sciences and Education Division has more restrictive policies regarding repetition of classes. See the program advisor for specific information.

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 that the 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.

Grade Forgiveness Policy

This policy is designed to give returning students a fresh start from their unsuccessful transcript record after an extended absence from Green River. The requirements for the policy are as follows:

- 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.
- 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 Policy comment.
- Once a 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 and GPA. Student's transcript will continue to show previous courses taken and grades received. A comment will be placed on the transcript indicating that a 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.
- Student must submit form to Enrollment Services-Records office. The registrar will make appeal decisions.
- Only one Grade Forgiveness petition is permitted on the student's transcript.

Withdrawal Policy

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, see the quarterly class schedule for withdrawal dates.

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 that met distribution degree 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 greenriver.edu.

STUDENT 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, allowing the student repeated practice with each outcome as he or she moves through a degree or program of study.

Furthermore, each Campus-wide Outcome has competencies, which are components of the larger

outcome. These competencies are meant to clarify the meaning of the larger outcome and provide examples of what this outcome may include. However, the competencies are not meant to be reductive or prescriptive; courses that address a Campus-wide Outcome must include at least one and may include more of these competencies. Furthermore, students may be exposed to different competencies of an outcome depending on which degree or program of study they complete.

In order to claim proficiency with a Campus-wide Outcome, it is not necessary for all students to learn every competency of every Campus-wide Outcome. Similarly, in order for a course to claim a Campus-wide Outcome, that course need not address every competency listed for that outcome.

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, Responsibility, and Quantitative and Symbolic Reasoning.

Written Communication

Written Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in written form. This outcome includes abilities designed to help students:

- 1.1 demonstrate use of a writing process.
- 1.2 demonstrate a clear sense of purpose, focus, thesis, or design in writing.
- 1.3 demonstrate the ability to develop an idea with support.
- 1.4 demonstrate audience awareness in writing.
- 1.5 demonstrate appropriate methods of integrating and documenting outside sources.
- 1.6 demonstrate information literacy by finding, evaluating, and selecting relevant and credible sources using a variety of information tools.
- 1.7 demonstrate clear organization of thoughts in coherent written form.
- 1.8 demonstrate appropriate choice of format, style, and tone for each particular writing assignment.
- 1.9 use appropriate mechanics, grammar, and word usage based on the language of instruction.
- 1.10 improve the ability to evaluate, revise, edit, and proofread individual work and the work of others.

Critical Thinking

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

- 2.1 apply relevant criteria and standards when evaluating information, claims, and arguments.
- 2.2 use appropriate reasoning to evaluate problems, make decisions, and formulate solutions.
- 2.3 give reasons for conclusions, assumptions, beliefs, and hypotheses.
- 2.4 seek out new information to evaluate and re-evaluate conclusions, assumptions, beliefs, and hypotheses.
- 2.5 exhibit traits evidencing the disposition to reflect, assess, and improve thinking or products of thinking.

Responsibility

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

- 3.1 identify and comply with clearly stated expectations, policies, and procedures.
- 3.2 recognize and accept consequences resulting from a failure to comply with stated expectations, policies, and procedures.
- 3.3 meet obligations necessary to complete individual and group tasks.
- 3.4. Clearly communicate to affected parties any difficulties that may prevent them from fulfilling obligations.
- 3.5 demonstrate common courtesies and show respect for the needs, difficulties, and rights of others.
- 3.6 strive for excellence in contributions, performances, and products.
- 3.7 complete work independently and appropriately acknowledge the source of ideas and contributions of 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. This outcome includes abilities designed to help students:

- 4.1 evaluate and interpret quantitative and symbolic reasoning information/data.
- 4.2 recognize which quantitative or symbolic reasoning methods are appropriate for solving a given problem.
- 4.3 correctly implement the quantitative or symbolic reasoning methods that are appropriate for solving a given problem.
- 4.4 demonstrate the ability to estimate a solution to a presented problem.
- 4.5 translate data into various formats such as symbolic language, equations, graphs, and formulas.
- 4.6 implement calculator/computer technology to solve problems.

- 4.7 demonstrate logical reasoning skills through formal and informal proofs.

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, instructors identify in their syllabi which learning outcomes the course supports and how the outcomes will be assessed. At the program level, each program completes an assessment project as part of their regular and on-going review process. At the campus level, student achievement of the Campus-wide Outcomes is periodically reviewed across discipline areas and degrees. Finally, students are encouraged to refer back to the Campus-wide Learning Outcomes frequently during the course of their degree or program and self-assess their proficiency with the outcomes. Green River believes that 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.

PROGRAM OR DEGREE OUTCOMES Oral Communication

Oral Communication encompasses all the abilities necessary for effective expression of thoughts, feelings, and ideas in oral form. This outcome is concerned with helping students

- 5.1 identify the role oral communication plays in academic, social, and professional endeavors.
- 5.2 demonstrate increased confidence in oral communication skills.
- 5.3 listen carefully and respond to questions appropriately.
- 5.4 modify verbal and nonverbal communication appropriately given the purpose and the context of the communication.
- 5.5 plan, prepare, and deliver a well-organized, logical oral presentation that demonstrates critical thinking skills.
- 5.6 use appropriate presentation techniques (e.g. maintain eye contact, modulate voice, avoid distracting mannerisms, etc.).
- 5.7 employ appropriate discussion, negotiation, conflict resolution, and cooperation skills to work with people from a variety of experiences and backgrounds to promote learning in class activities and group work.

Human Relations:

This outcome includes abilities designed to help students:

- 6.1 demonstrate responsibility.
- 6.2 demonstrate self-worth.
- 6.3 demonstrate sociability in groups.
- 6.4 demonstrate self-management.
- 6.5 demonstrate integrity/honesty.
- 6.6 participate as team member.
- 6.7 teach/help others.
- 6.8 exhibit leadership.
- 6.9 negotiate agreements.
- 6.10 appreciate and work with diverse groups.

ACADEMIC PROCEDURES

ACADEMIC RECORDS

Change of Address

If your mailing address has changed during the quarter, be sure to change your new address online.

1. Go to greenriver.edu/online
2. Under Student Info., Select Student Address

If you are on financial aid, you must also notify the Financial Aid Office.

Confidentiality of 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.

Name Changes

It is important that a student's name is accurately reflected on his or her individual record. Enrollment Services maintains a confidential record of the student's last name, first name, middle initial and up to two previous last names. It is the student's responsibility to notify Enrollment Services of any change.

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

- Submit it in writing. Complete a student information change form.
- Initiate the change. Signature is required.
- Show documentation. A copy of a marriage certificate, divorce decree, adoption papers, court order or other legal documents must be attached to the request.

Student Identification Number

All students are assigned a SID to use for all transactions at Green River College. Students who forget or lose their assigned SID will need to bring picture ID into Enrollment Services 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 SID 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.
- Official transcripts for identification of official records.

Student Right to Privacy (FERPA)

All student educational records are maintained according to the Family Educational Rights and Privacy Act of 1974 (FERPA) concerning the information, which becomes part of the student's permanent record and governing the conditions of its disclosure. Students have the right to see their records and to request an amendment to those records.

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.

Transcripts

A transcript of each student's permanent record of grades is maintained in Enrollment Services. An official transcript of grades will be sent to any high school, college, university or other agency upon the student's request. All transcripts are ordered online at studentclearinghouse.org. The cost is \$7.75 per transcript, plus a processing fee of \$2.25 per recipient. Processing takes one to two business days contingent upon completion of the current quarters grading cycle.

If you need a transcript immediately there is a \$25.00 in person On-Demand per transcript fee. The form is available at Enrollment Services.

How do I get a copy of my transcript?

- Students can request a copy of their transcript from the National Student Clearinghouse at studentclearinghouse.org. The cost is \$7.75 per transcript, plus a \$2.25 processing fee.
- Students can receive their transcript immediately using our in person On-Demand form at the Enrollment Services Office. The fee is \$25 per transcript.
- Students may print unofficial copies of transcripts from our web site at greenriver.edu/online under "View/Edit Student Info".

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.

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.

GRADUATION

(253) 833-9111, ext. 2500

When students are two quarters away from completing their educational program, they should submit an application for graduation to Enrollment Services.

Applications for graduation and detailed instructions are available at Enrollment Services. Students may also run a degree audit by accessing Online Services at greenriver.edu. 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).
- Submitted Intent to Graduate Form.
- Completed all degree requirements as specified by the Green River catalog.

Students may graduate during the degree requirements in effect during their first quarter of enrollment at Green River College for up to six years. After six years, students need to 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 policy.

Each degree or certificate requires a separate application form.

Students may graduate at the end of any quarter.

COMMENCEMENT

One commencement ceremony is held at the end of the academic year. Any student who has been approved for graduation during the 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. All diplomas will be mailed to students three to four weeks after grades are posted in the quarter in which they have completed graduation.

DEGREE EXCEPTION

In some cases, students may wish to appeal the graduation requirements. All requests must be in writing (see Enrollment Services for degree exception forms) and should be submitted to Enrollment Services for action. The Degree Exception Committee meets twice a quarter, during fall, winter and spring. Written faculty or advisor approval is required when submitting a request.

GRADUATION AWARDS

Scholastic Awards

Scholastic awards celebrate student success by recognizing graduates who:

- Earn a degree in arts, business, math, elementary education, pre-nursing, science, applied arts, and applied science, or a pre-professional (academic transfer or career/technical programs only).
- Attain a minimum 3.9 grade point average (includes transfer credits and grades from all quarters except the spring quarter in which they may be graduating).

- Earn a minimum of 24 credits at Green River, including the last quarter in residence.
- Earn no more than 25 percent of the required credits on a pass/no-credit basis.

Division Awards

Each instructional division selects one outstanding graduate to receive a Division Award. The recipient is selected by a vote of divisional faculty members.

Honors

For degrees and 90 credit certificates. Graduates who achieve outstanding grade point averages receive honor cords to wear at commencement and are recognized in the commencement program.

Awards for Associate Degrees:

Highest Honors	4.0 GPA
High Honors	3.7 – 3.89 GPA
Honors	3.5 – 3.69 GPA

Awards for Bachelor Degrees:

Summa Cum Laude	4.0 GPA
Magna Cum Laude	3.7-3.89 GPA
Cum Laude	3.5-3.69 GPA

Graduation honors are based on Green River grades only. A minimum of 24 credits must be graded (not pass/no-credit). All levels of honors will be noted on the diploma and Green River transcript.

International Academic and Leadership Award

The International Programs Award is presented to an international student who has demonstrated academic excellence and has made an outstanding contribution to international understanding on the campus.

Leadership and Service Awards

A leadership or service award is presented to three students who have held a position of leadership or have contributed to a major service project on campus.

Multicultural Award

The Multicultural Award is presented to a student who has demonstrated the academic promise and has made an outstanding contribution to the on-campus multicultural population.

Outstanding Running Start Award

The Outstanding Running Start Award is presented to a Running Start student who has demonstrated outstanding academic achievement, as well as contribution to Green River College or their local community.

President's Award

The President's Award is presented to a student who has exhibited professional promise and outstanding citizenship, personal qualities, and grade point average. The recipient is selected by a vote of faculty, administrators, and staff.



PROGRAMS OF STUDY

UNIVERSITY TRANSFER

CAREER & TECHNICAL

OTHER LEARNING
OPTIONS



DEGREE AND CERTIFICATE PROGRAMS

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

UNIVERSITY TRANSFER	AA-DTA	Associate in Arts Degree – Direct Transfer Agreement
	AB-DTA/MRP	Associate in Business Degree – Direct Transfer Agreement/Major Related Programs
	AFA	Associate in Fine Arts Degree
	AM-DTA/MRP	Associate in Math Education Degree – Direct Transfer Agreement/Major Related Programs
	APreN-DTA/MRP	Associate in Pre-Nursing Degree – Direct Transfer Agreement/Major Related Programs
	A-PP	Associate in Pre-Professional Degree
	AST-1	Associate in Science Degree – Transfer Option 1
	AST-2	Associate in Science Degree – Transfer Option 2
	AST-2/MRP	Associate in Science Degree – Transfer Option 2/Major Related Program
PROFESSIONAL AND TECHNICAL	BAS	Bachelors in Applied Science Degree
	AAA	Associate in Applied Arts Degree
	AAS	Associate in Applied Science Degree
	Cert	Certificate
	AAS-T	Associate in Applied Science Degree-Transfer
	Cert-P	Certificate of Proficiency
OTHER LEARNING OPTIONS	AD	Associate Development
	HSE	High School Equivalency Certificate
	HSD	High School Diploma

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Accounting, AAA Cert-P	52
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Administrative Assistant, AAA Cert-P	53
Data Entry, Cert-P	54
File Clerk, Cert-P	54
Office Support 1, Cert-P	54
Office Support 2, Cert-P	54
Aeronautical Engineering, AST-2/MRP	46
Aerospace and Advanced Manufacturing	55
Principles of Precision Machining 1, Cert-P	55
Principles of Precision Machining 2, Cert-P	55
Quality Assurance and Inspection, Cert-P	55
Art-Associate in Fine Arts Degree, AFA	40
Concentration in Ceramics	40
Concentration in Design	40
Concentration in Photography	40
Concentration in Studio	40
Associate in Arts Degree, AA-DTA	36
Concentration in Broadcasting	37
Concentration in Communication Studies	37
Concentration in Diversity Studies	37
Concentration in Gender Studies	37
Concentration in Global Studies	37
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Automotive Technology, AAS	57
Brakes, Steering and Suspension, Cert-P	58
Electrical Systems, Cert-P	58
Engine Performance, Cert-P	58
Heating and Air Conditioning, Cert-P	58
Transmission and Transaxle, Cert-P	58
Aviation	54
Aerospace Science-Aviation Operations, BAS	54
Aerospace Science-Aviation Operations Management, BAS	54
Air Traffic Control, AAS	56
Airline Dispatch, AAS	56
Airline Dispatcher, Cert-P	56
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Airport Management, AAS	57
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Advanced Aviation Knowledge, Cert-P	68
Basic Aviation Knowledge, Cert-P	67
Professional Pilot, AAS	89
Unmanned Aerial Systems Basic Operator, Cert-P	89
Atmospheric Science, AST-2	45
Bioengineering Pre-Engineering, AST-2/MRP	47
Biology, AST-1	44
Broadcasting, A-PP	49
Business, AB-DTA/MRP	39
Business Applications Specialist, AAA Cert	59
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Distance Education Preparation, Cert-P	60
Business Management, AAA	60
Business Foundations, Cert	61
Contact Center Specialist, Cert-P	62
Customer Service Representative, Cert-P	62
Management and Supervision, Cert-P	61
Marketing and Sales, Cert-P	61
Retail Management, Cert	61
Captioning	63
Carpentry Technology, Residential and Light Commercial, AAS Cert-P	62
Concrete Forming and Placement, Cert-P	63
Exterior Finish Level 1, Cert-P	63
Framing Level 1, Cert-P	63
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Interior Finish Level 1, Cert-P	63
Interior Finish Level 2, Cert-P	63
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Chemistry, AST-1	44
Civil Pre-Engineering, AST-2/MRP	46
Computer Pre-Engineering, AST-2/MRP	48
Computer Science, AST-2	45
Court Reporting	64
Criminal Justice, AAS	68
Corrections, Cert-P	69
Forensic Technology, AAS	68
Forensic and Fingerprinting Technology, Cert-P	69
Law Enforcement, Cert-P	69
Design Drafting Technology, AAS	70
Architectural Design Technology, Cert-P	70
Civil Design Technology, Cert-P	70
Mechanical Design Technology, Cert-P	71
Early Childhood Education, AAS-Cert-P	72
Early Childhood Education and Diversity Studies, AAS-T	71
Early Childhood Education-Paraeducator, AAS-T	72
Early Childhood Assistant Teacher, Cert-P	73
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State Early Childhood Education Certificate (Statewide), Cert-P	74
State Initial Early Childhood Education Certificate, Cert-P	74
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Administration (Statewide), Cert-P	74
Family Child Care (Statewide), Cert-P	74
General (Statewide), Cert-P	74
Infants and Toddlers (Statewide), Cert-P	74
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Earth Science, AST-1	44
Electrical Pre-Engineering, AST-2/MRP	48
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Machining and Manufacturing Technology, AAS Cert-P	78
Maintenance Mechatronics, AAS	79
Maintenance Mechatronics 1, Cert-P	79
Maintenance Mechatronics 2, Cert-P	80
Marketing and Entrepreneurship, BAS	80
Materials Science Pre-Engineering, AST-2/MRP	46
Math-Associate in Math Education, AM-DTA/MRP	42
Mechanical Design and Quality Assurance, AAS	76
Mechanical Pre-Engineering, AST-2/MRP	46
Medical Office Administration, AAS	81
Medical Front Office, AAA	81
Medical Coding and Reimbursement, AAA	81
Medical Front Office, Cert-P	81
Medical Office Manager, Cert-P	82
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Natural Resources	
Forest Resources Management, BAS	82
Sampling Assessment, BAS	82
Forest Resources, BAS	82
Forestry, AAS	83
Geographic Information System, AAS	84
Park Management, AAS	84
Water Quality, AAS	85
Wildland Fire, AAS	85
Nursing, AAS	87
Nurse Assistant, Cert-P	87
Occupational Therapy Assistant, AAS	86
Phlebotomy Technician, Cert-P	88
Physical Therapist Assistant, AAS	88
Physics, AST-2	45
Unmanned Aerial System, AAS	89
Unmanned Aerial System Basic Operator, Cert-P	90
Wastewater Technology, AAS	90
Municipal Wastewater Treatment Technology, Cert-P	90
Water Supply Technology, AAS	90
Water Distribution Technology Cert-P	91
Welding Technology, AAS	91
Basic Arc and Flame, Cert-P	91
Intermediate Arc and Flame, Cert-P	91
Advanced Arc Weld and Flame, Cert-P	91

UNIVERSITY TRANSFER DEGREES AND CERTIFICATES

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 <http://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.

In most cases, universities will accept 90 credits. Green River is a member of the Inter-College Relations Commission (ICRC), and Green River’s AA-DTA, AB-DTA/MRP, AFA, AM-DTA/MRP, APreN-DTA/MRP, and 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.

TRANSFER RIGHTS AND RESPONSIBILITIES

Student Rights and Responsibilities

1. 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.
2. Transfer and freshman-entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.
3. 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.

4. 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.
5. 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.
6. 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

1. Colleges and universities have the right and authority to determine program requirements and course offerings in accordance with their institutional missions.
2. 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.
3. 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.

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& 148 or MATH& 151
- **Humanities** (10 credits in two different subject areas or disciplines²)—PHIL& 101, MUSC& 105, DRMA& 101, ENGL& 111, or HUM& 101
For colleges that use History as a Humanities HIST& 116, HIST& 117, HIST& 118, 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

For colleges that use History as a Social Science: HIST& 116, HIST& 117, HIST& 118, HIST& 146, HIST& 147, HIST& 148

- **Natural Sciences** (10 credits in two different subject areas or disciplines)—BIOL& 100, BIOL& 160w/ lab, ASTR& 100, ASTR& 101 with lab, CHEM& 105, CHEM& 110 with lab, CHEM& 121 with lab, CHEM& 161, CHEM& 162, ENV&S 100, ENV&S 101, PHYS& 121, GEOL& 101 with lab.
- **Additional 5 credits** in a different discipline can be taken from any category

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).

Associate In Arts Degree
Direct Transfer Agreement (AA-DTA) – Minimum of 90 Credits

The Associate in Arts degree is a direct transfer degree (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.

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.

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. The following colleges subscribe to these guidelines:

Washington

- | | |
|--|--|
| Bastyr University | Washington State University |
| Central Washington University | Washington State University Tri-Cities |
| The Evergreen State College | Washington State University
Vancouver |
| Trinity Lutheran University | Western Washington University |
| Cornish College of the Arts | Whitworth University |
| Eastern Washington University | |
| Gonzaga University | |
| Heritage University | |
| Northwest University | |
| Seattle University | |
| Pacific Lutheran University | |
| Saint Martin's University | |
| Seattle Pacific University | |
| University of Washington (some restrictions apply) | |
| University of Washington Tacoma | |
| University of Washington Bothell | |

Other States

- Argosy University
- Capella University California City University
- Oregon State University
- University of Phoenix
- University of North Dakota

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.

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.

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.

Associate In Arts Degree

Direct Transfer Agreement (AA-DTA) – Minimum of 90 Credits

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.

English &101 and one of the following:

English 126 or 127 or 128 or &235

B. Quantitative Skills/Symbolic Reasoning (5 credits)

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

Mathematics 106, &107, 108, &141, &142, &146, 147, &148, &151, &152, &153, &171*, &172*, &173*, 210, 238, 240, &254, 256
Philosophy &120**

** 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)

* MATH& 171, &172, and &173 does not satisfy this requirement at the University of Washington.

2. HUMANITIES (15 credits)

Minimum 15 credits 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 (**all courses in bold type**). Courses that fulfill the diversity requirement may also be used to fulfill a distribution requirement (all courses in *italics*). See Section 7 for a complete list of courses satisfying the diversity course requirements.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 213, 215, &220, &230, 238, 245, 265, 266
Dance 101, **102, 103, 110, 204**
Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**
English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264
Film 120, 121, 122, 191
French &121, &122, &123, &221, &222, &223
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224
Japanese &121, &122, &123, &221, &222, &223
Journalism 101, 107, 150, 151, 152, 254
Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121,**

&122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252,
Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243
Photography 101, **102, 103, 111**
Spanish 110, &121, &122, &123, &221, &222, &223, 272

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. Courses that fulfill the diversity requirement (all courses in *italics*) may also be used to fulfill a distribution requirement. See Section 7 for a list of courses satisfying the diversity course requirements.

American Minority and Ethnic Studies 100, 103, 105, 150, 211
Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273
Business Management &101, 181, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205, 210
History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250
Political Science &101, &200, &202, &203, &204, 207, 209, 220
Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250
Social Science 160, 211
Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

4. NATURAL SCIENCE (15 credits)

Minimum of 15 credits from at least two separate areas (except for completion of IDS 101, 102, and 103 sequence which will satisfy the full natural science and lab science requirement). Ten credits must be chosen from List A, including a minimum of 5 credits from lab sciences (**courses designated in bold type**). The additional 5 credits may be taken from either List A or List B.

LIST A

Anatomy-Physiology 100, 102, **103, 104, 210**
Astronomy &100 or **&101**
Biology &100, **103, 110, 127, &160, &211, &212, &213, &241, &242, &260**
Chemistry &110, &121, &131, &140, &161, &162, &163, &261, &262, &263
Environmental Science 204
Geology &101, 106, **107, 117, 200, 206, &208**

Interdisciplinary Science 101, **102, 103****Oceanography** &101

Physics 107, &110, &114, &115, &116, 154, 155, 156, &221, &222, &223, 225, 229

LIST B

Anthropology &205
Computer Science &131, 132, &141, 145
Engineering &104, 106, 140, &204, &214, &215, &224, &225
Mathematics 106, &107, 108, &141, &142, &146, 147, &148, &151, &152, &153, &171, &172, &173, 210, 238, 240, &254, 256
Nutrition &101
Philosophy &120, 215

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, Social Science, or Natural Science categories listed above. There is no restriction on the number of required disciplines.

B. Generally Transferable Courses

Accounting &201, &202, &203
Early Childhood Education &105
Education &115, &204, &205, 210
Natural Resources 100

6. LIFETIME FITNESS/WELLNESS

(3 credits)

A minimum of 3 credits from courses from List A and/or List B:

List A: Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169 (2-3 credits)

and/or

LIST B: If a 2-credit course has been taken from List A, students must select one credit from List B:

Physical Education 101, 102, 103, 107, 108, 109, 110, 111, 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, 149, 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

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to the AA degree.

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

7. ACTIVITY (1-6 credits)

An activity is a fully instructed course of study that primarily involves the student in an activity that develops a technique or skill.

Art 105, 106, 107, 111, 112, 113, 114,

119, 130, 219, 255, 256, 257
Biology 140
Business Technologies and Administrative Careers 111, 115
Business Management 103
Dance 101
Drama 111, 153
Early Childhood Education &120, 124, 175, 220
Education 210
Geology 150, 152, 153
Health Education 190
Industrial Education 101, 103, 111 or 112 or 113
Journalism 104, 110, 120, 200
Music 118, 124, 127, 140, 150
Photography 101, 111, 112, 113
Spanish 115
Technology 100

8. DIVERSITY REQUIREMENT

(1 course)

A minimum of one course from the following list must be taken to satisfy the diversity course requirement. In most cases, a course from the list below (*in italics*) also satisfies other distribution areas.

American Minority and Ethnic Studies 100, 103, 105, 150, 214
Anthropology &206, &210
Communication Studies 238, 265
Criminal Justice 220
English 160, 161, 163, 165, 168, 247, 248, 249, 250, 251, &256, 257
Film 121, 191
Geography &200
History 103, &215, 224, 226, 228, 233
Humanities 190, 191, 200, 224
Philosophy 206, 238
Political Science &204
Sociology 205, 214, 220
Spanish &221, &222, &223

9. ELECTIVES (6-11 credits)

All courses numbered 100 or higher may be taken as electives, except Basic Skills and Physical Education. Courses should include preparation for a major and/or general interest/leisure-time activity.

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 posted to 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.

Concentration in Broadcasting 24 Credits

Contact: Tom Evans Krause, ext. 2109 – krause@greenriver.edu

Dept./No.	Course Title	Credits
JOURN 150	Introduction to Broadcasting	3
JOURN 151	Radio Production	3
JOURN 152	Radio and the Community	3
JOURN 254	Advanced Radio Production	3

Select 6 credits from the following courses: (6 credits) 6

JOURN 110	Radio Laboratory 1	(3)
JOURN 120	Digital Radio Laboratory 1	(3)

Select 6 credits from the following courses: 6

JOURN 153	Broadcast Newswriting	(3)
JOURN 156	Broadcast and the New Media Announcing	(3)
JOURN 162	Broadcast and Audio Technology	(3)
JOURN 205	Radio Management	(3-5)
JOURN 255	Broadcast and New Media Marketing	(3)
JOURN 251 or	Journalism Internship 1	(3)
JOURN 252 or	Journalism Internship 2	(3)
JOURN 253	Journalism Internship 3	(3)

Concentration in Communication Studies 20 Credits

The Concentration in Communication Studies is a 20-credit program designed to encourage students to explore several courses and disciplines within the field of communication studies.

Courses used to fulfill requirements in one section may not also be used to fulfill requirements in another section.

Contact: Carel Neffenger, ext. 4664 – cneffenger@greenriver.edu

Dept./No	Course Title	Credits
Required courses (10 credits)		
CMST & 220	Public Speaking	5

And choose one of the following: 5

CMST& 210 or	Interpersonal Communication	(5)
CMST& 230	Small Group Communication	(5)

Select a minimum of 10 additional credits from the following courses: 10

CMST& 210	Interpersonal Communication	(5)
CMST 212	Persuasion and Propaganda	(5)
CMST 213	Communication in Social Media	(5)
CMST 215	Critical Analysis of Media	(5)
CMST& 230	Small Group Communication	(5)
CMST 238	Intercultural Communication	(5)
CMST 245	Argumentation	(5)
CMST 265	Introduction to Popular Culture	(5)
CMST 266	Film and Television as Popular Culture	(5)

Concentration in Diversity Studies 20 Credits

Diversity in the curriculum refers to the study of one or more groups that have been historically marginalized on the basis of culture, race, ethnicity, gender, sexual orientation, class, disability, religion, age, immigration, and/or geopolitical power. Diversity-designated courses facilitate academic inquiry, analysis and understanding of past and current differences, conflicts, and relations of power, thereby moving the discourse of diversity beyond mere tolerance, celebration, or appreciation.

The Concentration in Diversity Studies supports students in critical self-reflection, intercultural literacy, and cross-cultural communication to aid them in critically understanding their own and others' experiences. By taking courses in a variety of disciplines, students will have been introduced to multiple academic frameworks and approaches that will provide them with competencies and analytical tools fundamental to articulating and navigating the changing demographics and power relations of a diverse world and workplace.

- Students must take at least four courses totaling 20 credits, including at least one core courses (see list below) and one course from each of the three sponsoring divisions: Social Science, Humanities, and English.
- Students must have an accumulative G.P.A. of 2.0 for the classes; only one class can have a pass/no credit designation.
- Students seeking concentrations in the Gender Studies or the Hispanic Studies may use no more than two courses from those concentrations to fulfill this concentration.

Contact: Michael Moreno, ext. 4244 – mmoreno@greenriver.edu

Dept./No.	Course Title	Credits
Required Course: (5 credits) 5		
AMES 100	Introduction to American Minority and Ethnic Studies	(5)
ENGL 247	American Ethnic Literature	(5)
PHIL 238	Introduction to the Philosophy of Human Rights	(5)

Additional Courses: Select 15 credits from the following courses to total 20 credits: 15

English Select 5 credits from the following list of courses:

ENGL 160	Literature By and About Women	(5)
ENGL 161	Cultures of Desire	(5)
ENGL 163	The Poetics of Rap and Hip Hop	(5)
ENGL 165	Introduction to the Myths of the World	(5)
ENGL 168	Introduction to Irish Literature	(5)
ENGL 247	American Ethnic Studies	(5)
ENGL 248	African-American Literature	(5)
ENGL 249	U.S. Latino Literature	(5)
ENGL 250	U.S. Indigenous Literatures	(5)
ENGL 251	Asian American Literature	(5)
ENGL& 256	World Literature III: 19 th -21 st Century	(5)
ENGL 257	Non-Western World Literature	(5)

Humanities Select 5 credits from the following list of courses:

CMST 238	Intercultural Communication	(5)
CMST 265	Introduction to Popular Culture	(5)
FILM 121	Contemporary American Films	(5)
HUMAN 190	Latin American Culture through Literature	(5)
HUMAN 191	Latin America in Film	(5)
HUMAN 200	Latin American Women: Struggles and Literature	(5)
HUMAN 224	Women and World Religions	(5)
PHIL 206	Gender and Philosophy	(5)
SPAN& 221	Spanish IV	(5)
SPAN& 222	Spanish V	(5)
SPAN& 223	Spanish VI	(5)

Social Science Select 5 credits from the following list of courses:

AMES 100	Introduction to American Minority and Ethnic Studies	(5)
AMES 103	Intersections of Race, Gender, Class and Sexuality	(5)
AMES 105	Social Inequality and Change in American Sports	(5)
AMES 150	Race and Ethnicity in the Pacific Northwest	(5)
ANTH& 206	Cultural Anthropology	(5)
ANTH& 210	Indians of North America	(5)
GEOG& 200	Human Geography	(5)
HIST 103	The Modern World	(5)
HIST& 215	Women in United States History	(5)
HIST 224	African-American History	(5)
HIST 226	Asian-American History	(5)
HIST 228	Latinos in the United States	(5)
HIST 233	History of Latin America	(5)
POLS& 204	Comparative Government	(5)
SOC 205	Sociology of Disability	(5)
SOC 214	Sociology of Race and Ethnicity	(5)
SOC 220	Sex and Gender in Society	(5)

Elective (5 credits)

CJ 220	Multicultural Diversity in Criminal Justice	(5)
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Concentration in Gender Studies 20 Credits

Concentration in Gender Studies is designed to encourage students to explore gender from multiple perspectives and provide an academic foundation in the study of sex and gender. Students use this concentration as a basis for further studies at a four-year institution and/or as a means to further their professional career goals in fields such as human resources, social work, etc.

Contact: Allison Jansen, ext. 4383 – ajansen@greenriver.edu

Dept./No.	Course Title	Credits
Required Course (5 credits) 5		
HUMAN 160 or	Introduction to the Study of Gender Studies in the Humanities or	(5)
S SCI 160	Introduction to the Study of Gender	(5) 5
Select 15 credits from the following courses to total 20 credits: 15		
Humanities (5-10 credits)		
ENGL 160	Literature by and about Women	(5)
*HUMAN 160	Introduction to the Study of Gender Studies in the Humanities	(5)
HUMAN 224	Women and World Religions	(5)
PHIL 206	Gender and Philosophy	(5)
Social Sciences (10 credits)		
HIST& 215	Women in United States History	(5)
PSYC& 180	Human Sexuality	(5)
SOC 220	Sex and Gender in Society	(5)
S SCI 160*	Introduction to the Study of Gender	(5)

* HUMAN 160 or S SCI 160 may be applied to the additional 15 credits if not used in the required course.

Concentration in Global Studies 35-40 Credits

Concentration in Global Studies enables students to achieve an informed engagement with the world through a cross-disciplinary and comparative curriculum. Students will achieve this goal by taking courses which meet the program's four core competencies:

- career-oriented skills
- foreign language proficiency
- intercultural competence
- professional skills and service leadership.

The program offers multiple courses across a variety of areas which help to satisfy: a direct transfer degree (DTA), an associate of science transfer (AS-T) degree (Option 1 and 2), an associate of applied science transfer (AAS-T) degree, as well as meet a number of the general education requirements required for an undergraduate degree [Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees].

Contact: Rebeka Ferreira, ext. 4742 – rferreira@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses (20 credits) 5		
PHIL& 115	Critical Thinking	(5)
Select 15 sequential credits from the following list of courses: (15 credits) 15		
Foreign Language		
CHIN& 121	Chinese I	(5)
CHIN& 122	Chinese II	(5)
CHIN& 123	Chinese III	(5)
JAPN& 121	Japanese I	(5)
JAPN& 122	Japanese II	(5)
JAPN&123	Japanese III	(5)

JAPN& 221	Japanese IV	(5)
JAPN& 222	Japanese V	(5)
JAPN& 223	Japanese VI	(5)
SPAN& 121	Spanish I	(5)
SPAN& 122	Spanish II	(5)
SPAN& 123	Spanish III	(5)
SPAN& 221	Spanish IV	(5)
*SPAN& 222	Spanish V	(5)
*SPAN& 223	Spanish VI	(5)

* SPAN& 222 and/or SPAN& 223 may be applied to the additional courses if not used as a required course:

Select 15-20 credits from the following list of courses: 15-20

Dept./No.	Course Title	Credits
Communication Studies		
CMST 217	Communication for Business and Professions	(5)
Humanities		
HUMAN 133	People, Language and Culture	(5)
HUMAN 190	Latin American Culture through Literature	(5)
PHIL 210	Comparative Religion	(5)
SPAN& 222	Spanish V	(5)
SPAN& 223	Spanish VI	(5)
Social Sciences		
ANTH& 206	Cultural Anthropology	(5)
HIST 230	20 th Century Europe	(5)
PSYC 240	Social Psychology	(5)

Concentration in Hispanic Studies 20 Credits

Concentration in Hispanic Studies fosters awareness, knowledge and understanding of the Hispanic world. It offers the student an opportunity to engage in a concentrated study of the diverse culture, art, language and history of Mexico, Central and South America, the Caribbean, Hispanic North America and Spain. Given the continued importance of Latin America to the United States and the increasing population of Hispanics in the United States, this focused program of study will be advantageous to those students entering the job market as well as transfer students.

Students must complete the required courses with a 2.5 GPA.

Contact: Marisela Fleites-Lear, ext. 4409 mfleites – lear@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses (15 credits)		
HIST 228	Latinos in the United States	5
HIST 233	History of Latin America	5
SPAN& 222	Spanish V	5
Additional Courses		
<i>Select 5 credits from the following courses to total 20 credits:</i> 5		
ENGL 249	U.S. Latino Literature	(5)
HUMAN 190	Latin American Culture through Literature	(5)
HUMAN 191	Latin America in Film	(5)
SPAN& 223	Spanish VI	(5)

Associate in Business Degree

Direct Transfer Agreement/Major Related Program (AB-DTA/MRP) Minimum of 90 Credits

The Associate in Business 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.

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.

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.

English &101 and one of the following:
English 126 or 127 or 128 or &235

B. Quantitative Skills/Symbolic Reasoning (10 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics &148 or &151 and one of the following:
Mathematics &141, &142, &146, &147, &148, &151, &152 or &153

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

2. HUMANITIES (15 credits)
(Minimum 15 credits 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 (all courses in bold type) can be applied toward the Humanities distribution.**

Art &100, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 213, 215, &220, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, 111, 151, 152, 153, 154, 157, 158

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, 118, 119, 120, &121, &122, &123, 124, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

3. SOCIAL SCIENCE (20 credits)
No more than 10 credits from any one discipline

A. Economics &201 and &202 (10 credits)

B. Business Management &201* (5 credits)

* *Political Science &200 is a prerequisite to BUS& 201.*

C. Choose 5 credits from the following areas:

American Minority and Ethnic Studies 100, 103, 105, 150, 211

Anthropology &100, &104, 108, &204 &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business Management &101, 181

Criminal Justice &101, &105, &110, &240

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

4. NATURAL SCIENCES (15 credits)

A. Mathematics 256 (5 credits)

B. Natural Science (10 credits)

(5 credits from the lab sciences, **courses designated in bold type, must be included**)

Anatomy-Physiology 100, 102, 103, 104

Astronomy &100 or &101

Biology &100, 103, 110, 127, &160, &211, &212, &213, &241, &242, &260

Chemistry &110, &121, &131, &140, &161, &162, &163, &261, &262, &263

Environmental Science 204

Geology &101, 106, 107, 117, 200, 206, &208

Interdisciplinary Science 101, 102, 103

Nutrition &101

Oceanography &101

Physics 107, &110, &114, &115, &116, 154, 155, 156, &221, &222, &223, 225, 229

5. ACCOUNTING (15 credits)

Accounting &201, &202, &203

6. FITNESS/WELLNESS (2-3 credits)

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to the AB-DTA degree.

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

7. ELECTIVES (2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education may be taken as electives.

Note: Students choose electives in consultation with their Green River advisor and transfer university admissions representative.

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 Fine Arts Degree in Art (AFA)

Minimum of 106 Credits

The Associate in Fine Arts degree in Art 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 AA degree 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 106 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.

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.

English &101 and one of the following:

English 126 or 127 or 128 or &235

B. Quantitative Skills/Symbolic Reasoning (5 credits) Courses in this area support the quantitative and symbolic reasoning learning outcome.

Math 106, &107, &141, &142, &146, &147, &148, &151, &152, &153, &171*, &172*, &173*, 210, 238, 240, &254, 256

Phil & 120**

* **MATH** & 171, &172, and &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 (15 credits) Three separate areas.

Courses that fulfill the diversity course requirement may also be used to fulfill a distribution requirement (see all courses in italics). See Section 7 for a complete list of courses satisfying the diversity course requirement.

Choose 10 credits from the following:

Art 212 or 213 or 214

Photography 101 or 111

Choose 5 credits from following:

Chinese 111, &121, &122, & 123

Communication Studies &102, &210, 212, 213, 215, &220, &230, 238, 245, 265, 266

Drama &101

English &112, &113, &114, 115, 160, 161, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Music 101, 103, 104, &105, 107, 108, 109, 110, &131, &132, &133

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Spanish 110, &121, &122, &123, &221, &222, &223, 272

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. Courses that fulfill the diversity course requirement may also be used to fulfill a distribution requirement (see all courses in italics). See Section 7 for a complete list of courses satisfying the diversity course requirement.

American Minority and Ethnic Studies 100, 103, 105, 150, 211

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business &101, 181, &201

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

4. NATURAL SCIENCE (15 credits)

Minimum of 15 credits from at least two separate areas (except for completion of IDS 101, 102, and 103 sequence which will satisfy the full natural science and lab science requirement). Ten credits must be chosen from List A, including a minimum of 5 credits from lab sciences (courses designated in bold type). The additional 5 credits may be taken from either List A or List B.

LIST A

Anatomy-Physiology 100, 102, **103, 104, 210**

Astronomy &100 or **&101**

Biology &100, 103, **110, 127, &160, &211, &212, &213, &241, &242, &260**

Chemistry &110, &121, &131, &140, &161, &162, &163, &261, &262, &263

Environmental Science 204

Geology &101, 106, **107, 117, 200, 206, &208**

Interdisciplinary Science **101, 102, 103**

Oceanography &101

Physics 107, &110, &114, &115, &116, 154, 155, 156, &221, &222, &223, 225, 229

LIST B

Anthropology &205

Computer Science &131, 132, &141, 145

Engineering &104, 106, 140, &204, &214, &215, &224, &225

Mathematics 106, &107, 108, &141, &142, &146, 147, &148, &151, &152, &153, &171, &172, &173, 210, 238, 240, &254, 256

Nutrition &101

Philosophy &120, 215

5. SPECIFIC REQUIREMENTS (43 credits)

LIST A (20 credits)

Art 105, 109, 114, 119

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, 107, 110, 111, 115, 120, 130, 133, 135, 150, 177, 178, 179, 180, 199, 212*, 213*, 214*, 219, 251, 252, 253, 255, 256, 257, 275, 276, 277, 294, 297

Photo 101*, 102, 103, 111*, 112, 113, 197

* Students cannot use this course if previously taken under a different category in the AFA degree. Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

6. LIFETIME FITNESS/WELLNESS

(3 credits) A minimum of 3 credits from courses from List A and/or List B.:

LIST A: Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169 (2-3 credits)

and/or

LIST B: If a 2-credit course has been taken from List A, students must select one credit from List B:

Physical Education 101, 102, 103, 107, 108, 109, 110, 111, 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, 149, 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

7. DIVERSITY REQUIREMENT

(1 course) A minimum of one course from the following list must be taken to satisfy the diversity course requirement. In most cases, a course from the list below (in italics) also satisfies other distribution areas.

American Minority and Ethnic Studies 100, 103, 105, 150

Anthropology &206, &210

Communication Studies 238, 265

Criminal Justice 220

English 160, 161, 163, 165, 168, 247, 248, 249, 250, 251, &256, 257

Film 121, 191

Geography &200

History 103, &215, 224, 226, 228, 233

Humanities 190, 191, 200, 224

Philosophy 206, 238

Political Science &204

Sociology 205, 214, 220

Spanish &221, &222, &223

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.

Concentration in Ceramics 23-25 Credits

Dept./No	Course Title	Credits
ART 115	Pottery 2	5
ART 180	The Artist's Portfolio	3
ART 251	Ceramics 1	5
ART 252	Ceramics 2	5

Plus choose 5-7 credits from the following: 5-7

ART 106	Intermediate Drawing	(5)
ART 111	Painting 1	(5)
ART 253	Ceramics 3	(5)
ART 275-277	Independent Study – Ceramics 1-3	(1-5 ea)

Concentration in Design 23 Credits

Dept./No	Course Title	Credits
ART 110	Intermediate Design and Color	5
ART 120	Introduction to Graphic Design	5
ART 150	Espl Journal Design and Publication	5
ART 180	The Artist's Portfolio	3

Plus choose 5 credits from the following: 5

ART 106	Intermediate Drawing	(5)
ART 219	Advanced 3-Dimensional Design	(5)
^ ART 177-179	Art Work Experience 1-3	(1-5 ea)
ART 199	Independent Study - Design	(1-5)
* PHOTO 111	Beginning Digital Photography	(5)
PHOTO 112	Intermediate Digital Photography	(5)

^ Based on interview and availability, limited enrollment.

** Students cannot use this course if previously taken under a different category in the AF degree.*

Concentration in Photography 23 Credits

Dept./No	Course Title	Credits
ART 180	The Artist's Portfolio	3

Plus choose 20 credits from the following: 20

* PHOTO 101	Beginning Black and White Photography	(5)
PHOTO 102	Intermediate Photography	(5)
PHOTO 103	Advanced Photography	(5)
* PHOTO 111	Beginning Digital Photography	(5)
PHOTO 112	Intermediate Digital Photography	(5)
PHOTO 113	Advanced Digital Photography	(5)

** Students cannot use this course if previously taken under a different category in the AF degree.*

Concentration in Studio 23 Credits

Dept./No	Course Title	Credits
ART 106	Intermediate Drawing	5
ART 180	The Artist's Portfolio	3
ART 111	Painting 1	5

Plus choose 10 credits from the following: 10

ART 107	Advanced Drawing	(5)
ART 219	Advanced 3-Dimensional Design	(5)
ART 255-257	Advanced Painting 1-3	(5) ea
ART 294	Independent Study-Painting 1	(1-5)
ART 297	Independent Study-Advanced Drawing 1	(1-5)

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 Math Education Degree

Direct Transfer Agreement/Major Related Program (AM-DTA/MRP) Minimum of 90-91 Credits

The Associate in Math Education 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.

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.

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.

English &101 **and** one of the following:

English 126 **or** **127** **or** **128** **or** **&235**

B. Quantitative Skills/Symbolic Reasoning (5 credits)

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

Mathematics &151

2. HUMANITIES (15 credits)

No more than 10 credits allowed from any one discipline.

A. Communication Studies &220

B. *No more than 5 credits allowed from any one discipline. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses (all courses in bold type) can be applied towards Humanities distribution.*

Art &100, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 213, 215, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, 111, 151, 152, 153, 154, 157, 158

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, 118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, 150, 151, 152, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, ,&231, &232, 250, 251, 252

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

3. SOCIAL SCIENCE (15 credits)

No more than 10 credits from any one discipline.

A. Psychology &100 (5 credits)

B. American Minority and Ethnic Studies 100 **or** **Anthropology &206** (5 credits)

C. A minimum of 5 credits from the following:

Anthropology &100, &104, 108, &204 &205, &207, &210, 211, &216, 220, &234, &235, &236, 273

Economics 100, 101, &201, &202

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

4. NATURAL SCIENCES (15 credits)

No more than 10 credits allowed from any one discipline.

A. Mathematics &152

B. A minimum of 10 credits from the following list with 5 credits from the lab sciences (courses designated in bold type) must be included.

Astronomy &101

Biology &100, 103, 110, 127, &160, &211, &212, &213, &260

Chemistry &110, &121, &131, &140, &161, &162, &163, &261, &262, &263

Geology &101, 106, 107, 117, 200, 206, &208

Physics 107, &110, &114, &115, &116, 154, 155, 156, &221, &222, &223, 225, 229

5. ADDITIONAL COURSES

(25-26 credits)

Education &205

Health Education 190

Mathematics &153, 240 **and** **&254**

Lifetime Fitness/Wellness

(2-3 credits)

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, or 169

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to the AM-DTA degree.

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

6. ELECTIVES (5 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and 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 Degree

Direct Transfer Agreement/Major Related Program (A-PreN-DTA/MRP) Minimum of 90-91 Credits

The Associate in Pre-Nursing 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). Four-year schools accepting Pre-Nursing Transfer degree include Seattle University, Seattle Pacific University, University of Washington-Seattle, Washington State University, Pacific Lutheran University, Northwest University and Walla Walla University. This degree is designed to meet the distribution requirements at universities in Washington State, by fulfilling the general requirements taken by freshmen and sophomores.

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.

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.

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.

English &101 **and** **English** 127 **or** 128

B. Quantitative Skills/Symbolic Reasoning (5 credits)

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

Mathematics 256

2. HUMANITIES (15 credits)

No more than 10 credits from any one discipline.

A. Communication Studies &220 (5 credits)

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 (all courses in bold type)

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 213, 215, &220, &230, **238, 245, 265, 266**

Dance 101, 102, 103, 110, 204

Drama &101, 102, 111, 151, 152, 153, 154, 157, 158

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252,**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

3. SOCIAL SCIENCE (15 credits)

A. **Psychology** &100

B. **Psychology** &200

C. A minimum of 5 credits:

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260 **or** 271

4. NATURAL SCIENCES (35-36 credits with a minimum of 25 credits lab-based)

A. **Biology** (&160 **or** &211) **and** &260

B. **Biology** &241 **and** &242

C. **Chemistry** &121 **and** &131

D. **Nutrition** &101

5. ADDITIONAL COURSES (10 credits)

Select 10 credits from the Humanities, Social Science, and Natural Science distribution requirement of AA-DTA degree.

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 Option 1 (AST- 1)

Biology, Environmental Science, Chemistry, Geology and Earth Science Minimum of 90 Credits

Associate in Science Transfer degree Option 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.

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.

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 Option 1 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.

English &101

After consultation with a Science advisor, five additional credits are recommended from the following:

English 126 **or** 127 **or** 128

B. Quantitative Skills/Symbolic Reasoning (15 credits)

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

Mathematics &151, &152 and (&153 **or** 256)

2. HUMANITIES and SOCIAL SCIENCE (15 credits)

Select 15 credits from the Humanities and Social Science with at least five (5) credits taken from each and from three separate areas.

A. Humanities

A minimum of 5 credits from the following. No more than 5 credits in foreign language at the 100-level. No more than 5 credits in performance or skills courses (all courses in bold type) may be applied to the Humanities distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, &220, 212, 213, 215, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252,**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

B. Social Science

A minimum 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

BUS 181

Business Management &101, 181, &201

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

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 &161, &162, **and** &163 (18 credits)

(Chemistry &261, &262, **and** &263 may be substituted with prior consultation with a Science/Engineering advisor.)

B. Select 15-18 credits (to be taken in sequence order) from the following:

1. Biology &211, &212 **and** &213 **or**

2. Physics &114, &115 **and** &116 **or**

3. Physics &221, &222 **and** &223

C. Natural Science

Select 14-17 credits from the following after consultation with a Science advisor.

Anatomy-Physiology 210

Biology &160, &211, &212, &213, &241, &242, &260

Chemistry &161, &162, &163, &261, &262, &263

Engineering 106, &214, &224

Environmental Science 204

Geology &101, 107, 117, 206

Mathematics 106, &141, &142, &153, 238, 240, &254, 256

Oceanography 101

Philosophy &120, 215

Physics &114, &115, &116, 154, 155, 156, &221, &222, &223, 225, 229

4. LIFETIME FITNESS/WELLNESS (2-3 credits) Select one course from the following:

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

5. ELECTIVES (2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education may be taken as electives.

English 126 **or** 127 **or** 128 may be used.

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 Option 2 (AST-2)

Engineering, Computer Science, Physics and Atmospheric Science Minimum of 90 Credits

The Associate in Science Transfer degree Option 2 in Engineering, Computer Science, 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.

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.

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 Option 2 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.
English &101

B. Quantitative Skills/Symbolic Reasoning: (15 credits)

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

Mathematics &151 **and** &152 **and** (&153 **or** 256)

2. HUMANITIES and SOCIAL SCIENCE (15 credits)

Select 15 credits from the Humanities and Social Science with at least five (5) credits taken from each and from three (3) separate areas.

A. Humanities

A minimum of 5 credits from the following. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance or skills courses (all courses in bold type) may be applied to the Humanities distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 213, 215, &220, &230, &220, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252,**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

B. SOCIAL SCIENCE

A minimum 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business &101, &181, &201

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

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 &221, &222, **and** &223 (15 credits)

(**Physics** &114, &115, **and** &116 may be substituted with prior consultation with a Science/ Engineering advisor.)

B. Select 6 credits from the following:

Chemistry &161, &162, &163, &261, &262 **or** &263

C. Natural Science

Select 29 credits from the following after consultation with a Science/ Engineering advisor.

Anatomy-Physiology 210

Biology &160, &211, &212, &213, &241, &242, &260

Chemistry &161, &162, &163, &261, &262, &263

Computer Science 120, &131, 132, &141, 145

Engineering 106, 120, 140, &214, &215, &224, &225, 250

Environmental Science 204

Geology &101, 206

Mathematics 106, &141, &142, &153, 238, 240, &254, 256

Philosophy &120, 215

Physics &114, &115, &116, 154, 155, 156, &221, &222, &223, 225, 229

4. LIFETIME FITNESS/WELLNESS

(2-3 credits)

Select one course from the following:

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

5. ELECTIVES (2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education may be taken as electives.

English 126 or 127 or 128 or &235 may be used

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 Option 2/Major Related Program (AST-2/MRP)

Mechanical/Civil, Aeronautical/Industrial/Material Science Pre-Engineering Pathway – Minimum of 109 Credits

The Associate in Science-Transfer Option 2/Major Related Program in Mechanical/Civil/Aeronautical/Industrial/Materials Science Pre-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.

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.

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.

English &101

B. Quantitative Skills/Symbolic Reasoning (30 credits)

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

Mathematics &151, &152 &153, 238, 240 **and** &254

2. HUMANITIES and SOCIAL SCIENCE (15 credits)

Minimum 5 credits each from Humanities and Social Science areas plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities (5 or 10 credits)

A minimum of 5 credits from the following. No more than 5 credits in any one discipline. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses (all courses in bold type) may be applied to the Humanities distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 213, 215, &220, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

B. Social Science (5 or 10 credits)

A course in Economics is recommended. A minimum of 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211, 214

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business Management &101, 181, &201

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

3. SPECIFIC REQUIREMENTS (59 credits)

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

A. Physics &221, &222 **and** &223 (15 credits)

B. Chemistry &161 (6 credits)

C. Select 22 credits from the following: Computer Science or Engineering 120 Engineering 100, 106, &214, &215, &225

D. Select 16 credits from the following after consultation with a Science/Engineering advisor:

Chemistry &162

Computer Science &131, 132, &141, 145
Engineering &104, &114, 140, &204, &224, 250

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 Option 2/Major Related Program (AST-2/MRP)

Bioengineering and Chemical Pre-Engineering Pathway – Minimum of 102-103 Credits

The Associate in Science Transfer-Option 2/ Major Related Program in Bioengineering and Chemical Pre-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.

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.

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 Option 2 degree requirements.

A. Communication Skills (5 credits)

Courses in this area support the written communication learning outcome.

English &101

B. Quantitative Skills/ Symbolic Reasoning (25 credits)

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

Mathematics &151 &152 &153, 238 **and** &254

2. HUMANITIES and SOCIAL SCIENCE (15 credits)

Minimum 5 credits each from Humanities and Social Science area plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities (5 or 10 credits)

A minimum of 5 credits from the following. No more than 5 credits in any one discipline. No more than 5 credits in performance/skills courses (all courses in bold type) can be applied towards Humanities distribution. No more than 5 credits in foreign language at the 100 level.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, &220, 212, 213, 215, &230, 238, 245, 265, 266

Dance **101, 102, 103, 110, 204**

Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography **101, 102, 103, 111**

Spanish 110, &121, &122, &123, &221, &222, &223, 272

B. Social Science (5 or 10 credits)

A course in Economics is recommended. A minimum of 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business Management &101, 181, &201

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

3. SPECIFIC REQUIREMENTS

59-60 credits)

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

A. Physics &221, &222 **and** &223 (15 credits)

B. Chemistry &161, &162, &163 **and** &261 (24 credits)

C. Biology &160 **or** **Chemistry** &262 (5-6 credits)

D. Select at least 13 credits from the following list after consultation with an engineering advisor.

Biology 100 **or** higher

Chemistry &263*

Computer Science or Engineering 120, &131, 132, &141, **or** 145

Engineering 100, &204, &224, 250, 120

Mathematics 240

** An online course in chemical process, principles, and calculations will be added to this degree in the future.*

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 Option 2/Major Related Program (AST-2/MRP)

Computer and Electrical Pre-Engineering Pathway – Minimum of 98 Credits

The Associate in Science Transfer-Option 2 Major Related Program in Computer and Electrical Pre-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.

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.

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 Option 2 degree requirements.

A. Communication Skill (5 credits)

Courses in this area support the written communication learning outcome.

English &101

B. Quantitative Skills/Symbolic Reasoning: (25 credits)

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

Mathematics &151 &152 &153, 238 **and** &254

2. HUMANITIES and SOCIAL SCIENCE (15 credits)

Minimum of 5 credits each from Humanities and Social Science area plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities (5 or 10 credits)

A minimum of 5 credits from the following: No more than 5 credits in foreign language at the 100 level. No more than 5 credits allowed in any one discipline. No more than 5 credits in performance/skills courses (all courses in bold type) can be applied towards Humanities distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, &220, 212, 213, 215, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222,

&223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 112, 114, &115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, &121, &122, &123, &221, &222, &223, 272

B. Social Science (5 or 10 credits)

A course in Economics is recommended. A minimum 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business Management &101, 181, &201

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214,

215, 220, 230, 240, 245, 260, 271

3. SPECIFIC REQUIREMENTS

(53 credits)

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

A. Physics &221, &222 **and** &223 (15 credits)

B. Chemistry &161 (6 credits)

C. Select 10 credits

Computer Science (&131 and 132) or (&141 and 145)

D. Select 12 credits

Computer Science/Engineering 120
Engineering 100, 106, &204

E. *Select 10 credits

Engineering &104, &214, &224, 250
Mathematics 240

* A course in digital logic will be added to this list in the future.

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-Professional Degree (A-PP)

While students in most college majors take the same general education requirements during their first two years, some majors demand more specialized subjects. The Associate Pre-Professional degree is designed for those students who need specific requirements that prevent them from satisfying the broad requirements of the AA-DTA, AB-DTA/MRP, AFA, AM-DTA/MRP, APren-MRP, AAS-T, or AS-T degrees or that will enhance their program of study at the transfer institution.

If students wish to design a program to transfer to a specific department within a university, they should consult advisors at both Green River and their Transfer College or university. Students are responsible for finding out the unique requirements of the institution they plan to attend after Green River. A faculty advisor will help students plan an appropriate selection of classes to ensure that all requirements of the transfer institution are met; the program will be customized for the transfer institution of their choice. Students must present an Associate Pre-Professional degree plan to their faculty advisor for approval. The plan becomes a permanent part of the student's record. Students should contact their faculty advisor for assistance in submitting an A-PP degree plan.

Broadcasting Associate in Pre-Professional Degree 91 Credits

The Associate Pre-Professional degree is designed for those students who need specific requirements of Broadcasting. Broadcasting may design their pre-professional degree to transfer to a specific department within a university; they should consult advisors at both Green River and their Transfer College or university.

Students are responsible for finding out the unique requirements of the institution they plan to attend after Green River. A faculty advisor will help students plan an appropriate selection of classes to ensure that all requirements of the transfer institution are met; the program will be customized for the transfer institution of their choice. Students must present an Associate Pre-Professional degree plan to their faculty advisor for approval. The plan becomes a permanent part of the student's record. Students should contact their faculty advisor for assistance in submitting an A-PP degree plan.

Contact: Tom Evans Krause, ext. 2190 – tevans@greenriver.edu

Dept./No.	Course Title	Credits
CMST& 102 or	Introduction to Mass Media or	
CMST& 220	Public Speaking	5
ENGL& 101	English Composition I	5
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
JOURN 150	Introduction to Broadcasting	3
JOURN 151	Radio Production	3
JOURN 152	Radio and the Community	3
JOURN 153	Broadcast Newswriting	3
JOURN 156	Broadcast and New Media Announcing	3
JOURN 162	Broadcast and Audio Technology	3
JOURN 254	Advanced Radio Production	3
JOURN 255	Broadcast and New Media Marketing	3
Lifetime/Fitness Wellness	Include one fitness-related course	2-3
MATH	Any MATH course 100 or higher	5
Math/Natural Science	Two separate areas including one lab	10
Humanities	One additional course (not CMST or JOURN)	5
Social Science	Three separate areas	15
Diversity Course	Must take one Diversity course from the Humanities or Social Science requirements in the AA-DTA degree	
Additional Electives	(see Additional Electives below)	3-5

Electives: Select a minimum of 10 credits from the following group of Journalism courses:

*Must take one course from JOURN 110, 111, 112, and

*Must take one course from JOURN 120, 121, 122, and

*Must take one course from JOURN 205, 206, 207

JOURN 110 or	Radio Laboratory 1 or	
JOURN 111 or		
JOURN 112	Radio Laboratory 2	(3-5)
JOURN 120 or	Digital Radio Laboratory 1 or	
JOURN 121 or	Digital Radio Laboratory 2 or	
JOURN 122	Digital Radio Laboratory 3	(3-5)
JOURN 205 or	Radio Management or	
JOURN 206 or	Radio Workshop or	
JOURN 207	Advanced Radio Workshop	(3-5)

Additional Electives: Choose from the following to total 91 credits.

CMST& 102	Introduction to Mass Media	(5)
CMST& 220	Public Speaking	(5)
CMST 215	Critical Analysis of Media	(5)
JOURN 251-253	Journalism Internship 1-3	(3-9)

Natural Resources Associate in Pre-Professional Degree 98 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.

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
Chuck Wytko, ext. 4950 – cwytko@greenriver.edu

Dept./No.	Course Title	Credits
A minimum of 98 credits must be earned from the following categories:		
Natural Resources Core (37 credits)		
NATRS 192	GIS for Natural Resources	5
NATRS 100	Introduction to Natural Resources	5
NATRS 180	Natural Resources Measurements	6
NATRS 182	Aerial Photo, GIS and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 210	Introduction to Soils	5
English (10 credits)		
ENGL& 101	English Composition 1	5
ENGL 128	Research Writing: Science/Engineering/Business	5
Humanities (20 credits)		
CMST& 220	Public Speaking	5
CMST& 230	Small Group Communication	5
PHIL& 115	Critical Thinking	5
PHIL 243	Environmental Ethics	5
Mathematics (5 credits)		
MATH& 141	PreCalculus I	5
MATH& 142	PreCalculus II	5
MATH& 151	Calculus I	5
MATH& 152	Calculus II	5
MATH 256	Statistics for Business and Social Science	5
Natural Science (15 credits)		
BIOL 110	Northwest Ecology	5
BIOL& 211	Majors Cellular	6
BIOL& 212	Majors Animal	6
CHEM& 121	Introduction to Chemistry	5
CHEM& 131	Introduction to Organic Chemistry and Biochemistry	5
GEOL& 101	Introduction to Physical Geology	5
PHYS& 110	Physics Non-Science Majors in the Lab	5
GEOL& 208	Geology of the Northwest	5
Social Science (5 credits)		
ECON& 201	Micro Economics	5
ECON& 202	Macro Economics	5
GEOG 120	Introduction to Physical Geography	5
SOC& 101	Introduction to Sociology	5
Life Fitness Wellness (1 credit)		
P E 113	Group Dynamic Activities (taken concurrently with NATRS 182)	1
Additional Credits (5 credits)		
BUS 202	Introduction to Project Management	5

PROFESSIONAL/TECHNICAL DEGREES AND CERTIFICATES

There are 121 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, Forest Resource Management, Information Technology and Marketing and Entrepreneurship.

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:

1. Sixty credits of 300-400 level courses in the technical field as specified by the industry advisory committee.
2. Sixty credits of general education courses as follows:
 - a) 10 credits Communication Skills – ENGL& 101 and additional composition course
 - b) 5 credits Quantitative Skills/Symbolic Reasoning in computer science, statistics, or mathematics
 - c) 10 credits in Humanities
 - d) 10 credits in Social Science
 - e) 10 credits in Natural Science with at least 5 credits in physical, biological and/or earth sciences and at least one lab course
 - d) 15 credits of additional general education courses to be selected from the humanities, social science, and/or natural science.
3. Earning a minimum of 180 credits with a minimum GPA of 2.0.
4. Completing the minimum of 24 credits at Green River College.
5. 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.

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:

1. Seventy credits in the technical field as specified by the industry advisory committee
2. Twenty credits of general education courses as follows:
 - a) 5 credits communication – ENGL& 101
 - b) 5 credits quantitative reasoning – College-level math with Intermediate Algebra, MATH 097, as a prerequisite.
 - c) 10 credits in Social Science, Humanities, or Science – to be selected from the list of courses "generally accepted".
3. Earning a minimum of 90 credits with a minimum GPA of 2.0.
4. Completing the minimum of 24 credits, including the last quarter of residence at Green River College.
5. 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:

1. Earning a minimum of 90 credits with a minimum GPA of 2.0.
2. Completing a minimum of 24 credits at Green River.
3. 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:

1. Earning a minimum of 45 credits with a minimum GPA of 2.0.
2. Completing a minimum of 12 credits at Green River.
3. 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.

CERTIFICATES OF PROFICIENCY (Cert -P)

Certificates of Proficiency 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. Certificates of Proficiency 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 of Proficiency, which usually do not include classes outside the major subject.

Certificate of Proficiency requirements include:

1. Earn a minimum GPA of 2.0.
2. Complete a minimum of 25 percent of the credits required at Green River.
3. 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 the Associate in Applied Science (AAS) degrees are designed for students in professional/technical programs. The faculty of Green River College and an advisory committee from local business and industry determine the curriculum for each professional/technical program. Each curriculum includes major field requirements, and related instruction requirements.

To earn a degree, a student must accumulate a minimum of 90 credits, meet the specific requirements of the program, and earn a minimum GPA of 2.0. Twenty-four of the total 90 credits, including the last quarter of study, must be completed at Green River. No more than 25 percent of the credit requirements may be earned on a pass/no-credit basis. Students seeking AAA or AAS degrees must complete related instruction requirements in the program-related areas of communication, computation, and human relations. Where it is appropriate, safety and environmental awareness courses are also required for degree programs.

In most professional/technical fields at Green River, these related instructions are already included within the program. The requirements may be part of several courses or may be included in one particular course. Most students, in meeting the specific requirements of the programs, will automatically meet the related instruction requirements. (Courses designated as related instruction requirements will be denoted with a # symbol.) The related instruction requirements and their minimum levels of proficiency are listed below. The listed courses in communication, computation, and human relations may be credited toward no more than one related instruction requirement.

Certificates

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

Programs of Study

AAA and AAS Degrees and Certificates (over 45 credits)

1. COMMUNICATION

A. Writing:

The student will earn a minimum of three credits* from the following:

English &101, 109, 126, 127 or 128

* *Although three credits are the minimum requirement, all of the above English courses are offered at five credits.*

OR

Business Technologies and Administrative Careers 130 for the following business-related degrees and certificates:

Degrees

Accounting
 Administrative Assistant
 Business Applications Specialist
 Business Management
 Court Reporting and Captioning
 Legal Administrative Assistant
 Medical Office Administration

Certificates

Administrative Assistant
 Business Applications Specialist
 Business Management, Business Foundations
 Business Management, Retail Management
 Customer Service Representative
 State Early Childhood Education Certificate (Statewide)

OR

Advanced placement 4 (AP4)	Waiver from writing requirement and 5 credits granted for college-level writing
Advanced placement 5 (AP5)	Waiver from writing requirement and 10 credits granted for college-level writing

B. Oral: The student will earn a minimum of three credits* from the following:

†**Communication Studies** 100, &210, 217, &220, &230

* *Although three credits are the minimum requirement, all of the above English courses are offered at five credits.*

2. COMPUTATION

Students pursuing degrees or certificates in programs without a specified computation or math course may satisfy this requirement by one of the following:

A. The student will earn a minimum of three credits* from a mathematics course numbered 100 or higher (excluding co-op MATH courses).

Although three credits is the minimum requirement, most mathematics courses are offered at five credits.

B. Achieve appropriate placement score sufficient to be eligible for **MATH& 142** or higher.

Advanced placement 4 (AP4)	Waiver from computation requirement on the AB Examination and 5 credits granted for MATH&151
Advanced placement 5 (AP5)	Waiver from computation requirement on the AB Examination and 10 credits granted for MATH&151 and MATH&152
Advanced placement 4 or 5 (AP4 or AP5)	Waiver from computation requirement on the BC Examination and 10 credits granted for MATH&151 and MATH&152

C. Business Technologies and Administrative Careers 110 or Business Administration 145 for the following business-related degrees and certificates:

Degrees

Accounting
 Administrative Assistant
 Business Applications Specialist
 Business Management
 Court Reporting and Captioning
 Legal Administrative Assistant
 Medical Office Administration

Certificates

Administrative Assistant
 Business Applications Specialist
 Business Management, Business Foundations
 Business Management, Retail Management
 Customer Service Representative
 State Early Childhood Education Certificate (Statewide)

D. Computation - ACOMP 101 for Trades degrees and certificates over 45 credits.

3. HUMAN RELATIONS

The student will participate in a minimum of three credits* or 33 hours of course work in which personal quality foundation skills and interpersonal workplace competencies are taught and practiced. These qualities and competencies are identified in the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS). SCANS skills include, but are not limited to the following: demonstrate responsibility, self-worth, and sociability in groups, self-management and integrity/honesty; participate as a team member; help others; exhibit leadership; negotiates agreement; and develop an appreciation of socio-cultural differences while respecting the rights of others. The student's Human Relations requirement is met if at least 80% of the SCANS attributes (as mentioned above) are embedded into a course or courses that are part of their professional or technical program (see program requirements). If not embedded, the student will earn a minimum of three credits* from the following courses:

Business Management 166

***Communication Studies** 100, &210, 217, &220, &230, 238

* *Although three credits is the minimum requirement, most mathematics courses are offered at five credits.*

† **CMST 100, &210, 217, &220 and &230** can only be used here if not already used in the section 1B-Oral Communication)

Accounting

Associate in Applied Arts Degree

90 Credits

The graduate of this two-year program will be prepared for employment in accounting and future supervisory positions in accounting and business. 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.

Contact: Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements		
* ACCT 110	Practical Financial Accounting 1	5
* ACCT 111	Practical Financial Accounting 2	5
ACCT 112	QuickBooks for Accounting	5
** ACCT 113	Practical Accounting	5
ACCT 118	Individual Taxation	5
ACCT 121	Payroll Accounting	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BUS& 201 or	Business Law and the Regulation of Business or	
POLS& 200	Introduction to Law and Commerce	5
BTAC 100	Fundamentals of Computers	5
† BTAC 101	Beginning Typing/Keyboarding	5
BTAC 110	Business Math Applications	5
BTAC 162	Introduction to Excel	5
BTAC 163	Advanced Excel	5

Related Instruction Requirements

# B A 145	Business Computation	5
# BUS 166 or	Human Relations and Work Readiness or	
CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST 217 or	Communication for Business and Professions or	
CMST& 220	Public Speaking	5
# BTAC 130 or	Business Correspondence or	
ENGL 109 or	Writing for Trades and Professional/Technical Degrees or	
ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST 217 or	Communication for Business and Professions or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
Reading	Eligible for READ 104, Reading Mastery	0-5

Electives: Select from the following courses to total 90 credits:

Any ACCT course	(5)
Any B A course	(5)
Any BTAC Course	(5)
Any BUS Course	(5)
Any MATH Course	(5)
COOP 171	Work Experience Seminar (1)
ECON 100	Economic Principles and Applications (5)
ECON& 201	Micro Economics (5)
ECON& 202	Macro Economics (5)

Satisfies related instruction requirements.

* 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.

† BTAC 101; Beginning Typing/Keyboarding may be waived by passing a 5-minute typing test at 35 wpm with 5 or less errors using the proper touch typing techniques.

Notes: Elective credits may be used to meet the minimum degree credit requirements.

Students can only apply CMST 100, &210, CMST 217 or CMST& 220 towards the human relations area if NOT already use in the Communications area of the related instruction requirements.

Accounting

Certificate of Proficiency

40 Credits

For the student who desires early employment, or wishes to add specialty credentials to an already earned degree. Green River offers a course of instruction culminating in an Accounting certificate. (Tech Prep students may articulate into this program as a continuation of training started in high school qualified programs.) 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.

Contact: Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements		
* ACCT 110	Practical Financial Accounting 1	5
* ACCT 111	Practical Financial Accounting 2	5
ACCT 112	QuickBooks for Accounting	5
ACCT 121	Payroll Accounting	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BTAC 100	Fundamentals of Computers	5
BTAC 110	Business Math Applications	5
BTAC 162	Introduction to Excel	5

* ACCT& 201, Principles of Accounting I, may be substituted for ACCT 110 and ACCT 111.

Keyboarding requirement:

Keyboarding may be demonstrated by passing a 5-minute typing test at 35 wpm with 5 or less errors using the proper touch typing techniques. Students unable to meet the minimum typing speed required may take BTAC 101 to fulfill the keyboarding requirement.

Accounting Clerk

Certificate of Proficiency

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.

Contact: Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements		
* ACCT 110	Practical Financial Accounting 1	5
BTAC 100	Fundamentals of Computers	5
BTAC 110	Business Math Applications	5

* ACCT& 201, Principles of Accounting I, may be substituted for ACCT 110.

Administrative Assistant Associate in Applied Arts Degree 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: Shannon Sharpe, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
Any course under the AA degree Lifetime Fitness/Wellness and/or Activity areas 1+		
ACCT 110	Practical Financial Accounting 1	5
ACCT 112	QuickBooks for Accounting	5
BTAC 100	Fundamentals of Computers	5
* BTAC 102	Intermediate Keyboarding	5
BTAC 103	Advanced Keyboarding	5
# BTAC 110	Business Math Applications	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
# BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 177	BTAC Work Experience 1	3
BTAC 214	Introduction to Information Security	5
# BTAC 250	Office Relations and Procedures	5
BTAC 266	Inside Microsoft Office	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
COOP 171	Work Experience Seminar	1
Reading	Eligible for READ 104 (as determined by the appropriate placement score) or completion of READ 094	0-5

Electives: Select from the following to total 90 credits.

ACCT& 201 or	Principles of Accounting I or	
BTAC 090	Office Accounting	5
* BTAC 101	Beginning Keyboarding	5
* BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	4-8
° BTAC 111	Introduction to Computer Literacy	5
° BTAC 115	Professional Image Building	1
BTAC 147 or	Beginning Keyboarding-Alphabet Keys or	
BTAC 148 or	Keyboarding-Mastering 10-Key and Symbols or	
BTAC 149	Keyboarding-Speed and Accuracy-Skill Building	1
BTAC 151 or	Word: Create, Edit and Format Documents or	
BTAC 152 or	Word: Tables and Sharing Documents or	
BTAC 153 or	Word: Mail Merge and Other Productivity Tools or	
BTAC 154 or	Word: Create a Newsletter or	
BTAC 155	Word: Creating Forms, Macros and Document Security	1
BTAC 163	Advanced Excel	5
BTAC 164 or	Access: Create and Modify a Database or	
BTAC 165 or	Access: Use Queries to Produce Information or	
BTAC 166 or	Access: Create and Modify Forms or	
BTAC 167	Access: Create and Modify Reports	1
BTAC 175	Instructor Assistant	1-5
BTAC 178-179	BTAC Work Experience 2-3	2-10
BTAC 184	Internet and Basic Web Design	5
BTAC 185	Introduction to Microsoft Access	5
BTAC 187 or	PowerPoint: Preparing a Presentation or	
BTAC 188 or	PowerPoint: Designs with Graphics and Multimedia or	
BTAC 189	PowerPoint: Customize and Incorporate Web Features	1
BTAC 191 or	Excel: Introduction to Formulas and Functions or	

BTAC 192 or	Excel: Charts and Working with Large Worksheets or	
BTAC 193 or	Excel as a Database or	
BTAC 194 or	Excel: Data Consolidation and What-If Analysis or	
BTAC 195	Excel: Collaboration, the Web and Macros	1
BTAC 216	Computer Support Internship 1	5
BTAC 255	Advanced Word	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BUS 166	Human Relations and Work Readiness	5
ENGL 105	Grammar and Usage	5
PSYC& 100	General Psychology	5
SOC& 101	Introduction to Sociology	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Satisfies related instruction requirements.

° Qualifies as AAA and AA-DTA activity credit.

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.

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Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
* BTAC 102	Intermediate Keyboarding	5
# BTAC 110	Business Math Applications	5
BTAC 112	Beginning Word	5
# BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5
# BTAC 250	Office Relations and Procedures	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
Reading	Eligible for READ 104 (as determined by the appropriate placement score) or completion of READ 094	0-5

To enhance the student's preparation for future employment, we recommend the following:

ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201 or	Principles of Accounting I or	
BTAC 090	Office Accounting	5
ACCT 112	QuickBooks for Accounting	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BUS 166	Human Relations and Work Readiness	5
* BTAC 101	Beginning Keyboarding	5
BTAC 103	Advanced Keyboarding	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/ or	
BTAC 108	Typing Speed and Accuracy 2	4-8
° BTAC 111	Introduction to Computer Literacy	5
° BTAC 115	Professional Image Building	1
BTAC 147 or	Beginning Keyboarding-Alphabet Keys or	
BTAC 148 or	Keyboarding-Mastering 10-Key and Symbols or	
BTAC 149	Keyboarding-Speed and Accuracy-Skill Building	1
BTAC 151 or	Word: Create, Edit and Format Documents or	
BTAC 152 or	Word: Tables and Sharing Documents or	
BTAC 153 or	Word: Mail Merge and Other Productivity Tools or	
BTAC 154 or	Word: Create a Newsletter or	

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BTAC 155	Word: Creating Forms, Macros and Document Security	1
BTAC 163	Advanced Excel	5
BTAC 164 or	Access: Create and Modify a Database or	
BTAC 165 or	Access: Use Queries to Produce Information or	
BTAC 166 or	Access: Create and Modify Forms or	
BTAC 167	Access: Create and Modify Reports	1
BTAC 184	Internet and Basic Web Design	5
BTAC 185	Introduction to Microsoft Access	5
BTAC 187 or	PowerPoint: Preparing a Presentation or	
BTAC 188 or	PowerPoint: Designs with Graphics and Multimedia or	
BTAC 189	PowerPoint: Customize and Incorporate Web Features	1
BTAC 191 or	Excel: Introduction to Formulas and Functions or	
BTAC 192 or	Excel: Charts and Working with Large Worksheets or	
BTAC 193 or	Excel as a Database or	
BTAC 194 or	Excel: Data Consolidation and What-If Analysis or	
BTAC 195	Excel: Collaboration, the Web and Macros	1
† BTAC 177-179 and	BTAC Work Experience 1-3 and	2-10
COOP 171	Work Experience Seminar	1
BTAC 214	Introduction to Information Security	5
BTAC 255	Advanced Word	5
BTAC 266	Inside Microsoft Office	5
ENGL 105	Grammar and Usage	5

* 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.

Satisfies related instruction requirements.

° Qualifies as AAA and AA-DTA activity credit.

Data Entry

Certificate of Proficiency 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.

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Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
BTAC 101 or	Beginning Keyboarding or	
BTAC 102	Intermediate Keyboarding	5
BTAC 110	Business Math Applications	5

File Clerk

Certificate of Proficiency 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, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
BTAC 101 or	Beginning Keyboarding or	
BTAC 102	Intermediate Keyboarding	5
BTAC 140	Records Management	5

Office Support 1

Certificate of Proficiency 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.

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Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 102	Intermediate Keyboarding	5
BTAC 112	Beginning Word	5
BTAC 130	Business Correspondence	5

Office Support 2

Certificate of Proficiency 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.

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Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 132	Business Communications Applications	5
BTAC 140 or	Records Management or	
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5

Aeronautical Science

Flight Operations

Aviation Operations Management

Bachelor of Applied Science Degree 180 Credits

Aeronautical Science Bachelor of Applied Science (BAS) degree has two options, Flight Operations and Aviation Operations Management.

The Flight Operations track is designed to build on the Fixed-Wing Commercial Pilot Associate in Applied Science (AAS).

The Aeronautical Science BAS Aviation Operations Management track is designed to build on the following AAS degrees:

- Airline Dispatch
- Air Traffic Control
- Airport Management
- Air Transportation
- Unmanned Aerial Systems (UAS)
- Fixed-Wing Commercial Pilot
- Rotor-Wing Commercial Pilot

AVIA denotes an aviation academic class. FLT denotes an aviation flight training class. The asterisk (*) indicates a class requiring actual flight training. The carat sign (^) Indicates a course that satisfies an FAA Requirement for Restricted Air Transport Pilot (RATP) Certification.

This degree program prepares students for entry level jobs as commercial pilots in the aviation industry. Flight programs require a commitment from students. Gaps in training should be avoided at all costs. Students should plan on flying at least twice per week. The academic schedule can be found at www.greenriver.edu. Students entering this program must possess a valid 2nd class medical (1st class preferred for students pursuing an ATP certificate) certificate prior to commencing flight training. These medical certificates are issued by FAA designated medical examiners. In addition all students must meet the requirements of the Federal Aviation Administrations under CFR Title 14, Part 61.123.

The student will be responsible for attending the scheduled flight lesson. Any missed appointments will be handled individually per the flight schools policies. No retakes of a failed course will be allowed due to poor attendance. Any cancellations beyond the control of the student and flight school will be discussed with Green River's faculty staff to determine if any violation of policies has occurred.

If a student is unable to complete the class within the academic schedule for the registered quarter as shown in the published class schedule, the student must bring this problem to the

attention of the flight school staff and Green River's faculty, as this may affect future funding for subsequent classes. If student is found not progressing at a normal rate, a meeting between the flight school instructor and Green River's faculty will occur to determine the cause of the problem and possible solution. Student will be expected to address any possible problems regarding flight training with Green River's faculty as soon as possible. Cancellations must be made in advance of the scheduled time. Students will make every effort to cancel flight and ground lessons per the respective flight school's policy. No-shows will result in the aircraft and/or flight instructor being released 15 minutes into the scheduled time. The student will be responsible for the cost of the lesson scheduled.

The student will have to complete the class within the academic schedule for the quarter in which the student registers. The student must complete this class satisfactorily before he/she can sign up subsequent flight classes in the degree program. Each flight class can be failed once, in the event the student fails two flight classes resulting in two "Fs," he/she will no longer be allowed to continue in the flight program!

In the case where a student gets an "I," the "incomplete" can only be carried over for thirty days, after which if the course requirements are not completed, the "incomplete" will become an "F". Per the Veterans Benefits Administration, an "incomplete" is only given in the case of weather and mechanical cancellations. Incompletes may also be given for extreme circumstances, other than weather and mechanicals, and may be considered on a case by case basis. Final grades for the flight class will be based on the individual class grading policies stated in the class syllabus.

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu
 Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
 Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements (60 credits)		
Communication Skills (15 credits)		
CMST& 210 or	Interpersonal Communication or	
CMST & 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
ENGL 335 and	Advanced Technical Writing and	5
ENGL & 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
Quantitative/Symbolic Reasoning Skills (5 credits)		
MATH 106 or	Essentials of PreCalculus Math or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
Humanities (10 credits)		
CMST 338 or	Diversity in the Workplace or	
	Five credits of Humanities courses from the AA-DTA degree	5
PHIL 412 or	Professional Ethics or	
	Five credits of Humanities courses from the AA-DTA degree	5
Natural Sciences (15 credits)		
	Five credits of Natural Science courses with a lab from AA-DTA degree	5
	Ten credits of Natural Science from List A or List B from AA-DTA degree	10
Social Sciences (10 credits)		
	Ten credits of Social Science courses approved from AA-DTA degree.	10
Additional General Education (5 credits)		
	Five credits of courses from the Humanities, Social Science, and Natural Science from AA-DTA degree	5
Core Requirements – Flight Operations (55 credits)		
*^ASIM 324	Turbine Operations Flight	2
*^ASIM 326	Advanced Cockpit Technologies Flight	2
^ AVIA 300	Certified Flight Instructor Ground School	5
^ AVIA 301	Certified Flight Instructor Instruments	3
AVIA 360	General Aviation Operations Management	5
^ AVIA 370	Aviation Safety Management System	5
AVIA 375	ICAO Operations Standards	5
AVIA 400	Airlines Operations Management	5
^ AVIA 401	Multi-Engine	3
^ AVIA 402	CFI Multi-Engine	3
AVIA 410	Aviation and Aircrew Resource Management	5
AVIA 490	Capstone: Aviation Research Projects	5
*^FLT 300	Certified Flight Instructor	3
*^FLT 301	Instrument Instructor Rating	1

*^FLT 401	Multi-Engine Operations Flight	2
*^FLT 402	Multi-Engine Instructor Rating	1

Core Requirements – Aviation Operations Management (45 credits)		
AVIA 360	General Aviation Operations Management	5
^ AVIA 370	Aviation Safety Management System	5
AVIA 375	ICAO Operations Standards	5
AVIA 380	Aviation Career Development	5
AVIA 385	Airport Planning and Operations Management	5
AVIA 400	Airlines Operations Management	5
AVIA 410	Aviation and Aircrew Resource Management	5
AVIA 430	Aviation and the Global Economy	5
AVIA 490	Capstone: Aviation Research Projects	5

Upper Division Credits (5-15 credits)
 Students **must** complete a minimum of 60 credits at the 300-400 level. If 60 upper division credits are not satisfied within the General Education Requirements and Core Requirements, they may be chosen from any of 300—400 level courses in AVIA, BUS, CMST, FLT, NATRS 416 or PHIL.

Required Additional Credits (65-75 credits)
 Flight Operations track requires 65 credits and Operations Management track requires 75 credits. These credits may be fulfilled with completion of an appropriate Associate in Applied Science Degree or non-required upper division courses.

Aerospace and Advanced Manufacturing Precision Machining 1 Certificate of Proficiency 13 Credits

Contact: Tom Tagliente, ext. 4261 – ttagliente@greenriver.edu

Dept./No.	Course Title	Credits
AAM 101 or	Principles of Precision Machining 1 or	
MFG 101	Introduction to Machining and Manufacturing	13

Aerospace and Advanced Manufacturing Precision Machining 2 Certificate of Proficiency 13 Credits

Contact: Tom Tagliente, ext. 4261 – ttagliente@greenriver.edu

Dept./No.	Course Title	Credits
AAM 102 or	Principles of Precision Machining 2 or	
MFG 103	Conventional and Computer Numerical Control (CNC) Machining Level 1	13

Aerospace and Advanced Manufacturing Quality Assurance and Inspection Certificate of Proficiency 28 Credits

Contact: Terry Waagan, ext. 4342 – twaagan@greenriver.edu

Dept./No.	Course Title	Credits
AAM 105	Quality Assurance 1	7
AAM 106	Quality Assurance 2	7
AAM 107	Inspection 1	7
AAM 108	Inspection 2	7

Air Traffic Control

Associate in Applied Science Degree

93 Credits

Green River College is a Federal Aviation Administration-Air Traffic College Training Initiative (FAA AT-CTI) school. Completing the ATC degree does **NOT** assure the FAA will hire the Green River AT-CTI graduate. Green River has no influence over the FAA hiring process.

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu
Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations	1
A SIM 216	Basic Instrument Flight Simulations	2
AVIA 103 or	Aviation History and Careers or	
AVIA 112	Aircraft Systems	5
AVIA 110	Airline Operations	5
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 190	FAA Next Generation Technologies	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Human Factors and Safety	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 265	Airline Dispatch	10
AVIA 267	International Flight Planning and ETOPS	5
# AVIA 281	Air Traffic Control 1	5
# AVIA 282	Air Traffic Control 2	5
# AVIA 286	Air Traffic Control 3-Enroute ATC	5
# CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# MATH 106 or	Essentials of PreCalculus Math or	
MATH& 107 or	Math in Society or	
MATH& 108 or	Contemporary Math in Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Satisfies related instruction requirements.

Airline Dispatch

Associate in Applied Science Degree

93 Credits

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu
Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations	1
A SIM 216	Basic Instrument Flight Simulations	2
AVIA 103	Aviation History and Careers	5
AVIA 110	Airline Operation	5
AVIA 111	Private Pilot Ground School	5
AVIA 112	Aircraft Systems	5
* AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Human Factors and Safety	5
AVIA 214 or	Airport Management and Operations or	
AVIA 217 or	Airport Security or	
BUS& 101	Introduction to Business	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 265	Airline Dispatch	10
AVIA 267	International Flight Planning and ETOPS	5
# AVIA 270 or	Air Traffic Control Fundamentals or	
AVIA 281	Air Traffic Control 1	5
# CMST&210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	

ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# MATH	Any Math course 100-level or higher	5
Natural Science	Any Natural Science course 100-level or higher with a lab	5

Students must take 5 credits from the following list of courses below to total 93 credits:

Any AVIA or A SIM 100/200 level course(s). 5

* Students enrolled in the Airline Dispatch program must complete AVIA 123 at Green River, and cannot be taken online.

Satisfies related instruction requirements.

Aircraft Dispatcher

Certificate of Proficiency

37 Credits

This certificate program prepares students with no background in aviation for the FAA Aircraft Dispatcher practical examination. This examination must be taken within 90 days of graduation.

Entrance Requirements:

1. Eligible for MATH 072.
2. College-level reading competency or eligible for READ 104.
3. Recommended keyboarding/typing skill of 30 wpm. Keyboarding/typing skills may be demonstrated by passing a 3-minute typing test at 30 wpm with 5 or less errors using the proper touch typing technique administered by the Business Technologies and Administrative Careers department.

Contact: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
AVIA 111	Private Pilot Ground School	5
AVIA 112	Aircraft Systems	5
AVIA 123	Aviation Weather	5
Second Quarter		
AVIA 216	Instrument Pilot Ground School	5
AVIA 221	FAA Written Test Preparation for ATP/Dispatch	2
AVIA 270 or	Air Traffic Control Fundamentals or	
AVIA 281	Air Traffic Control 1	5
Third Quarter		
AVIA 265	Airline Dispatch	10

Airline Dispatcher Completion

Certificate of Proficiency

30 Credits

The program prepares individuals with no background in aviation for the FAA Aircraft Dispatcher practical examination. This examination must be taken within 90 days of graduation.

Contact: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 216	Basic Instrument Pilot Ground School	5
Second Quarter		
AVIA 265	Airline Dispatch	10
AVIA 270 or	Air Traffic Control Fundamentals or	
AVIA 281	Air Traffic Control 1	5

Airport Management
Associate in Applied Science Degree
90 Credits

Aviation and business courses form the core of this program. This degree prepares students for entry level jobs at airports of all sizes across the United States and is a platform for transition to a four year college offering higher level degrees in airport management, aviation management and other jobs in the aviation industry.

Students may enter this program at the beginning of any quarter.

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 Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
 Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201	Principles of Accounting I	5
AVIA 103 or	Aviation History and Careers or	
AVIA 190	FAA Next Generation Technologies	5
AVIA 110	Airline Operations	5
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 210	Aviation and the Law	5
# AVIA 214 or	Airport Management and Operations or	
BUS& 101	Introduction to Business	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 217	Aviation Security	5
AVIA 265	Aircraft Flight Dispatch	10
# AVIA 270	Air Traffic Control Basics	5
BUS 121 or	Marketing Fundamentals or	
BUS 164 or	Entrepreneurship and Small Business Management or	
BUS& 101	Introduction to Business	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
ECON 100 or	Economic Principles and Applications or	
ECON& 201 or	Micro Economics or	
ECON & 202	Macro Economics	5
# MATH 106 or	Essentials of PreCalculus Math or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
Science	Any Natural Science course 100 level or higher with a lab	5

Satisfies related instruction requirements.

Aviation Operations Management
Certificate of Proficiency
20 Credits

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu
 Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
 Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
Avia 110	Airline Operations	5
Avia 111	Private Pilot Ground School	5
Avia 212	Aviation Safety and Human Factors	5
Choose one of the following:		5
Avia 210	Aviation and the Law	(5)
Avia 214	Airport Management and Operations	(5)
Avia 217	Aviation Security	(5)

International Flight Planning
Certificate of Proficiency
35 Credits

The program prepares individuals with only an aircraft dispatcher's license to be knowledgeable in international operations and ETOPS procedures.

Contact: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter:		
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 216	Basic Instrument Pilot Ground School	5
Second Quarter:		
AVIA 265	Airline Dispatch	10
AVIA 267	International Flight Planning and ETOPS	5
AVIA 270 or	Air Traffic Control Fundamentals or	
AVIA 281	Air Traffic Control 1	5

Automotive Technology
Associate in Applied Science Degree
97-106 Credits

This degree program prepares the student for employment in the automotive industry.

Graduates of the program achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE) 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.

Contacts: Dan Sorensen, ext. 4202 – dsorensen@greenriver.edu
 Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
	Reading requirement	
ATECH 110	Shop Procedures	2
ATECH 116	Suspension and Steering	6
ATECH 117	Brakes	7
ATECH 150	Automotive Leadership Skills 1	1
# CMST 100	Fundamentals of Oral Communication	5

Second Quarter		
# ACOMP 101 or	Computations for the Trades or	
MATH 062	Review of Arithmetic or	
	Eligible for MATH 070, Pre-Algebra	0-5
ATECH 111	Electrical and Electronics Systems	14
ATECH 151	Automotive Leadership Skills 2	1

Third Quarter		
ATECH 112	Engine Performance	9
ATECH 113	Engine Repair	3
ATECH 152	Automotive Leadership Skills 3	1
INDUS 111	Welding Survey 1	3

Fourth Quarter		
ATECH 112	Engine Performance	5
ATECH 115	Manual Drive Trains and Axles	6
ATECH 153	Automotive Leadership Skills 4	1
# ENGL 109	Writing for Trades and Professional/Technical Degrees	5

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Fifth Quarter

ATECH 114 and/or	Automotive Transmission and Transaxle and/or	
ATECH 101	State Emission Control Specialist Phase 1	4-8
ATECH 118	Heating and Air Conditioning	6
ATECH 154	Automotive Leadership Skills 5	1
# Human Relations	Any course that satisfies the Human Relations Related Instruction Requirements	5

Sixth Quarter

ATECH 119 or	Special Shop Practice or	
ATECH 177	Auto Work Experience 1	12

Satisfies related instruction requirements.

For scheduling or transferability reasons, other courses from the current list of related instruction requirements may be substituted.

Automotive Brakes, Steering and Suspension

Certificate of Proficiency

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.

Contacts: Dan Sorensen, ext. 4202 – dsorensen@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Reading requirement	Eligible for READ 104	
ATECH 110	Shop Procedures	2
ATECH 116	Suspension and Steering	6
ATECH 117	Brakes	7
ATECH 150 or	Automotive Leadership Skills 1 or	
ATECH 151 or	Automotive Leadership Skills 2 or	
ATECH 152 or	Automotive Leadership Skills 3 or	
ATECH 153 or	Automotive Leadership Skills 4 or	
ATECH 154	Automotive Leadership Skills 5	1

Automotive Electrical Systems

Certificate of Proficiency

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.

Contacts: Dan Sorensen, ext. 4202 – dsorensen@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Reading requirement	Eligible for READ 104	
ATECH 111	Electrical and Electronic Systems	14
ATECH 150 or	Automotive Leadership Skills 1 or	
ATECH 151 or	Automotive Leadership Skills 2 or	
ATECH 152 or	Automotive Leadership Skills 3 or	
ATECH 153 or	Automotive Leadership Skills 4 or	
ATECH 154	Automotive Leadership Skills 5	1

Automotive Engine Performance

Certificate of Proficiency

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.

Contacts: Dan Sorensen, ext. 4202 – dsorensen@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Reading requirement	Eligible for READ 104	
ATECH 112	Engine Performance	14
ATECH 150 or	Automotive Leadership Skills 1 or	
ATECH 151 or	Automotive Leadership Skills 2 or	
ATECH 152 or	Automotive Leadership Skills 3 or	
ATECH 153 or	Automotive Leadership Skills 4 or	
ATECH 154	Automotive Leadership Skills 5	1

Automotive Heating and Air Conditioning

Certificate of Proficiency

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.

Contacts: Dan Sorensen, ext. 4202 – dsorensen@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Reading requirement	Eligible for READ 104	
ATECH 118	Heating and Air Conditioning	6
ATECH 150 or	Automotive Leadership Skills 1 or	
ATECH 151 or	Automotive Leadership Skills 2 or	
ATECH 152 or	Automotive Leadership Skills 3 or	
ATECH 153 or	Automotive Leadership Skills 4 or	
ATECH 154	Automotive Leadership Skills 5	1

Automotive Transmission and Transaxle

Certificate of Proficiency

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 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.

Contacts: Dan Sorensen, ext. 4202 – dsorensen@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Reading requirement	Eligible for READ 104	
A TECH 114	Automatic Transmission and Transaxle	8
A TECH 115	Manual Drive Trains and Axle	6
A TECH 150 or	Automotive Leadership Skills 1 or	
A TECH 151 or	Automotive Leadership Skills 2 or	
A TECH 152 or	Automotive Leadership Skills 3 or	
A TECH 153 or	Automotive Leadership Skills 4 or	
A TECH 154	Automotive Leadership Skills 5	1

Business Applications Specialist

Associate in Applied Arts Degree
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: Shannon Sharpe, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
Any course under the AA degree	Lifetime Fitness/Wellness and Activity areas	1
BTAC 100	Fundamentals of Computers	5
* BTAC 101 or	Beginning Keyboarding or	
BTAC 102	Intermediate Keyboarding	5
# BTAC 110	Business Math Applications	5
BTAC 112	Beginning Word	5
# BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5
BTAC 163	Advanced Excel	5
BTAC 184	Internet and Basic Web Design	5
BTAC 185	Introduction to Microsoft Access	5
BTAC 214	Introduction to Information Security	5
BTAC 216	Computer Support Internship 1	2-5
# BTAC 250	Office Relations and Procedures	5
BTAC 255	Advanced Word	5
BTAC 266	Inside Microsoft Office	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
Reading	Eligible for READ 104 (as determined by the appropriate placement score) or completion of READ 094	0-5

Electives: Students must select from the following list of courses below to total a minimum of 90 credits.

ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201 or	Principles of Accounting I or	
BTAC 090	Office Accounting	5
ACCT 112	QuickBooks for Accounting	5
* BTAC 101	Beginning Keyboarding	5
BTAC 102	Intermediate Keyboarding	5
BTAC 103	Advanced Keyboarding	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	4-8
° BTAC 111	Introduction to Computer Literacy	5
° BTAC 115	Professional Image Building	1
BTAC 132	Business Communication Applications	5
BTAC 147 or	Beginning Keyboarding-Alphabet Keys or	
BTAC 148 or	Keyboarding-Mastering 10-Key and Symbols or	
BTAC 149	Keyboarding-Speed and Accuracy-Skill Building	1
BTAC 151 or	Word: Create, Edit and Format Documents or	
BTAC 152 or	Word: Tables and Sharing Documents or	
BTAC 153 or	Word: Mail Merge and Other Productivity Tools or	
BTAC 154 or	Word: Create a Newsletter or	
BTAC 155	Word: Creating Forms, Macros and Document Security	1
BTAC 163	Advanced Excel	5

BTAC 164 or	Access: Create and Modify a Database or	
BTAC 165 or	Access: Use Queries to Produce Information or	
BTAC 166 or	Access: Create and Modify Forms or	
BTAC 167	Access: Create and Modify Reports	1
BTAC 175	Instructor Assistant	1-5
† BTAC 177-179 and	BTAC Work Experience 1-3 and	2-10
COOP 171	Work Experience Seminar	1
BTAC 187 or	PowerPoint: Preparing a Presentation or	
BTAC 188 or	PowerPoint: Designs with Graphics and Multimedia or	
BTAC 189	PowerPoint: Customize and Incorporate Web Features	1
BTAC 191 or	Excel: Introduction to Formulas and Functions or	
BTAC 192 or	Excel: Charts and Working with Large Worksheets or	
BTAC 193 or	Excel as a Database or	
BTAC 194 or	Excel: Data Consolidation and What-If Analysis or	
BTAC 195	Excel: Collaboration, the Web and Macros	1
BTAC 217	Computer Support Internship 2	2-5
BTAC 218	Basic Office PC Support	5
BTAC 219	Basic Networking Concepts	5
BTAC 255	Advanced Word	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business management	5
BUS 166	Human Relations and Work Readiness	5
PSYC& 100	General Psychology	5
SOC& 101	Introduction to Sociology	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

° Qualifies as AA activity credit.

+Students may earn up to 10 credits through Work Experience classes.

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.

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Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
# BTAC 110	Business Math Applications	5
BTAC 112	Beginning Word	5
#* BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5
BTAC 184 or	Internet and Basic Web Design or	
IT 206	Front-End Web Development	5
BTAC 185	Introduction to Microsoft Access	5
# BTAC 250	Office Relations and Procedures	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
Reading	Eligible for READ 104 (as determined by the appropriate placement score) or completion of READ 094	0-5

Electives: Students must select from the following list of courses below to total a minimum of 60 credits.

ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201 or	Principles of Accounting I or	
BTAC 090	Office Accounting	5
ACCT 112	QuickBooks for Accounting	5

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Art 109	Beginning Design	5
BTAC 101	Beginning Keyboarding	5
* BTAC 102	Intermediate Keyboarding	5
BTAC 103	Advanced Keyboarding	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	4-8
° BTAC 111	Introduction to Computer Literacy	5
° BTAC 115	Professional Image Building	1
BTAC 132	Business Communication Applications	5
BTAC 140	Records Management	5
BTAC 163	Advanced Excel	5
BTAC 147 or	Beginning Keyboarding-Alphabet Keys or	
BTAC 148 or	Keyboarding-Mastering 10-Key and Symbols or	
BTAC 149	Keyboarding-Speed and Accuracy-Skill Building	1
BTAC 151 or	Word: Create, Edit and Format Documents or	
BTAC 152 or	Word: Tables and Sharing Documents or	
BTAC 153 or	Word: Mail Merge and Other Productivity Tools or	
BTAC 154 or	Word: Create a Newsletter or	
BTAC 155	Word: Creating Forms, Macros and Document Security	1
BTAC 164 or	Access: Create and Modify a Database or	
BTAC 165 or	Access: Use Queries to Produce Information or	
BTAC 166 or	Access: Create and Modify Forms or	
BTAC 167	Access: Create and Modify Reports	1
BTAC 175	Instructor Assistant	1-5
BTAC 177-179 and	BTAC Work Experience 1-3 and	2-10
COOP 171	Work Experience Seminar	1
BTAC 187 or	PowerPoint: Preparing a Presentation or	
BTAC 188 or	PowerPoint: Designs with Graphics and Multimedia or	
BTAC 189	PowerPoint: Customize and Incorporate Web Features	1
BTAC 191 or	Excel: Introduction to Formulas and Functions or	
BTAC 192 or	Excel: Charts and Working with Large Worksheets or	
BTAC 193 or	Excel as a Database or	
BTAC 194 or	Excel: Data Consolidation and What-If Analysis or	
BTAC 195	Excel: Collaboration, the Web and Macros	1
BTAC 214	Introduction to Information in Security	5
BTAC 216	Computer Support Internship 1	2-5
BTAC 217	Computer Support Internship 2	2-5
BTAC 218	Basic Office PC Support	5
BTAC 219	Basic Networking Concepts	5
BTAC 255	Advanced Word	5
BTAC 266	Inside Microsoft Office	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BUS 166	Human Relations and Work Readiness	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

° Qualifies as AAA activity credit.

Business Applications for Small Business

Certificate of Proficiency 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.

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Lea Ann Simpson, ext. 4393 – lsimpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
Required Classes		
ACCT 110	Practical Financial Accounting 1	5
BUS 164	Entrepreneurship and Small Business Management	5
† BTAC 101	Beginning Keyboarding	0-5
BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 214	Introduction to Information Security	5
BTAC 266	Inside Microsoft Office	5

Electives: Select one from the following courses to total 40 credits:

ACCT 111	Practical Financial Accounting 2	5
ACCT 112	QuickBooks for Accounting	5
BTAC 110	Business Math Applications	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 163	Advanced Excel	5
BTAC 184	Internet and Basic Web Design	5
BTAC 185	Introduction to Microsoft Access	5
BTAC 216	Computer Support Internship 1	5

† 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.

Distance Education Preparation

Certificate of Proficiency 15 Credits

Note: This certificate does not qualify for federal financial or veteran's funding.

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Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
BTAC 118	Basics for Online Education	5
BTAC 184	Internet and Basic Web Design	5

Business Management

Associate in Applied Arts Degree 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: Jeff Perlot, ext. 4865 – jperlot@greenriver.edu
Tim Broxholm, ext. 4377 – tbroxholm@greenriver.edu

Dept./No.	Course Title	Credits
*Keyboarding	30 wpm (test administered by the BTAC Dept.)	
Reading	Eligible for READ 104 or completion of READ 094	0-5
ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201	Principles of Accounting I	5
# B A 145 or	Business Computation or	
MATH& 107 or	Math in Society or	
MATH 147	Finite Math for Business and Social Science	5
BTAC 100	Fundamentals of Computers	5
# BTAC 130 or	Business Correspondence or	
ENGL& 101	English Composition I	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BUS 103	Business Leadership	5
BUS 121	Marketing Fundamentals	5
BUS 159	Professional Selling	5
# BUS 166	Human Relations and Work Readiness	5
BUS 173	Basic Financial Management	5
BUS 181	Introduction to International Business	5
BUS 257	Customer Service Strategies	5
BUS 258	Principles of Management and Supervision	5
# CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	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 Accounting course	(1-5)
BUS	Any Business Management course	(1-5)
BTAC	Any Business Technologies and Administrative Careers course	(1-5)
BUS 177	Supervised Work Experience 1	(2)
CMST	Any Communication Studies course	(5)
ECON	Any Economics course	(5)
ENGL	Any English course	(5)
MATH 256	Statistics in Business and Social Science	(5)
PHIL 112	Ethics in the Workplace	(5)
PHIL& 115	Critical Thinking	(5)
POLS& 200	Introduction to Law	(5)

Satisfies related instruction requirements.

* *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)
- Contact Center Specialist (15 credits)
- Customer Service Representative (45 credits)
- Management and Supervision (25 credits)
- Marketing and Sales (20 credits)
- Retail Management (50 credits)

Business Management – Business Foundations Certificate 45 Credits

Contacts: Jeff Perlot, ext. 4865 – jperlot@greenriver.edu
Tim Broxholm, ext. 4377 – tbroxholm@greenriver.edu

Dept./No.	Course Title	Credits
ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201	Principles of Accounting I	5
# B A 145 or	Business Computation or	
MATH& 107 or	Math in Society or	
MATH 147	Finite Math-Business and Social Science	5
BTAC 100	Fundamentals of Computers	5
# BTAC 130 or	Business Correspondence or	
ENGL& 101	English Composition I	5
BTAC 162	Introduction to Excel	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
# BUS 166	Human Relations and Work Readiness	5
BUS 173	Basic Financial Management	5
# CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	5

#*Satisfies related instruction requirements.*

Business Management – Management and Supervision Certificate of Proficiency 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: Jeff Perlot, ext. 4865 – jperlot@greenriver.edu
Tim Broxholm, ext. 4377 – tbroxholm@greenriver.edu

Dept./No.	Course Title	Credits
BUS 103	Business Leadership	5
BUS 166	Human Relations and Work Readiness	5
BUS 181	Introduction to International Business	5
BUS 202	Introduction to Project Management	5
BUS 258	Principles to Management and Supervision	5

Business Management – Marketing and Sales Certificate of Proficiency 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: Jeff Perlot, ext. 4865 – jperlot@greenriver.edu
Tim Broxholm, ext. 4377 – tbroxholm@greenriver.edu

Dept./No.	Course Title	Credits
BUS 121	Marketing Fundamentals	5
BUS 159	Professional Selling	5
BUS 202	Introduction to Project Management	5
BUS 257	Customer Service Strategies	5

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: Jeff Perlot, ext. 4865 – jperlot@greenriver.edu
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Dept./No.	Course Title	Credits
ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201	Principles of Accounting I	5
# B A 145 or	Business Computation or	
MATH& 107 or	Math in Society or	
MATH 147	Finite Math-Business and Social Science	5
BTAC 100	Fundamentals of Computers	5
# BTAC 130 or	Business Correspondence or	
ENGL& 101 or	English Composition I or	
ENGL 127	Writing: Social Sciences	5
BUS 103	Business Leadership	5
BUS 121	Marketing Fundamentals	5
# BUS 166	Human Relations and Work Readiness	5
BUS 257	Customer Service Strategies	5
BUS 258	Principles of Management and Supervision	5
# CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	5

#*Satisfies related instruction requirement*

Contact Center Specialist

Certificate

15 Credits

The Contact Center Specialist 15 credit certificate in the Business Management program better prepare students for a career in today's customer centric business environment. Through instruction and practical simulations, students will quickly learn to develop a customer strategy and deliver the best customer experience any time they interact with stakeholders in any field.

Contact: Nausica Zorzi, ext. 4651 – nzorzi@greenriver.edu

Dept./No.	Course Title	Credits
BUS& 101	Introduction to Business	5
BUS 257	Customer Service Strategies	5
BUS 259	Customer Service Representative Practicum	5

Customer Service Representative

Certificate of Proficiency

45 Credits

Contacts: Tim Broxholm, ext. 4377 – tbroxholm@greenriver.edu
Jeff Perlot, ext. 4865 – jperlot@greenriver.edu

Dept./No.	Course Title	Credits
# B A 145 or	Business Computation or	
BTAC 110	Business Math Applications	5
# CMST& 210 or	Interpersonal Communications or	
CMST& 220	Public Speaking	5
# ENGL& 101 or	English Composition I or	
BTAC 130	Business Correspondence	5
BTAC 100	Fundamentals of Computers	5
* BTAC 101	Beginning Keyboarding	5
# BUS 166	Human Relations and Work Readiness	5
BUS 257	Customer Service Strategies	5
BUS 259	Customer Service Representative Practicum	5

Electives: Choose 5 credits from the following courses to total 45 credits.

BUS& 101	Introduction to Business	5
BUS 103	Business Leadership	5
BUS 159	Professional Selling	5
BUS 202	Introduction to Project Management	5
BUS 258	Principles of Management and Supervision	5
CMST 217	Communication for Business and Professions	5
CMST& 230	Small Group Communication	5

* Keyboarding skills may be demonstrated by passing a typing test at 40 wpm administered by the Business Technologies and Administrative Careers.

Satisfies related instruction requirements.

Carpentry Technology – Residential and Light Commercial

Associate in Applied Science Degree

90-109 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 positions.

Students whose primary language is not English must have successfully completed ESOL Level 3 prior to enrolling in the Carpentry Technology Program.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
* CARP 113	Foundations and Floor Framing	13
* CARP 114	Wall and Roof Framing	13
* CARP 115	Exterior and Interior Finish	13
CARP 161	Print Reading	3
CARP 162	Stair Design and Construction	4
CARP 163	Rafter Design and Framing Level 1	4
CARP 165	Residential Remodeling Practices	4
CARP 167	Material Estimating	3
CARP 168	Green Construction Principles and Practices	3
INDUS 101	Basic Woodworking	4

Related Instruction Requirements

* Human Relations	11 Hours of Human Relations embedded in these courses. 33 hours total required for the degree	
# Oral Communication	5 credits of Oral Communications-from Related Instruction Requirements	5
# Written Communications	5 credits of Written Communications from Related Instruction Requirements	5
# Computation	ACOMP 101, Computation for the Trades or Completion of MATH 062 or Eligible for MATH 070	0-5

Electives: Students must complete a minimum of 16-30 credits from the following classes:

CARP 164	Intermediate Woodworking and Cabinetry	4
CARP 171	Advanced Cabinetry and Wood Fabrication	4
D T 100	CAD Fundamentals	7
D T 131	Drafting Across the Industries	7
D T 142	BIM Fundamentals using REVIT	5
INDUS 111	Welding Survey	3

Bold face course offered days only. Regular font courses offered nights only

Satisfies related instruction requirements.

NOTE: Most related instruction courses have prerequisites. Please work with Carpentry advisor for selecting which courses will meet program requirements and scheduling constraints.

Carpentry Technology – Residential and Light Commercial

Certificate of Proficiency

42 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: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
CARP 113	Foundations and Floor Framing	13
CARP 114	Wall and Roof Framing	13
CARP 115	Exterior and Interior Finish	13
CARP 162 or	Stair Design and Construction or	
CARP 163	Rafters Design and Framing Level 1	3

Carpentry Technology – Concrete Forming and Placement

Certificate of Proficiency

17 Credits

This certificate prepares students to find employment with residential specialty and/or general contractor whose primary focus is foundations and/or concrete flatwork (driveways, sidewalks, etc.). The core skills acquired are location and forming concrete foundations for houses and or decks, constructing them level, Plumb 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.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
CARP 113	Foundations and Floor Framing	13
CARP 166	Deck Construction and Concrete Flatwork	4

Carpentry Technology– Exterior Finish Level 1

Certificate of Proficiency
10 Credits

This certificate programs offers students the basic skills and knowledge required to find employment with specialty or general contractors whose focus is exterior finish. Students develop skills in applying various types of roof covering and materials, various types of siding and related trim pieces, and basic deck construction. In addition, students learn portable power tool usage designed specifically for exterior trim, as well as exterior material knowledge and specifications.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
CARP 115	Exterior and Interior Finish	6
CARP 166	Deck Construction and Concrete Flatwork	4

Carpentry Technology –Framing Level 1

Certificate of Proficiency
13 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 blueprint reading, layout skills, 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 framing material knowledge and specifications.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
* CARP 114	Wall and Roof Framing	13

* Must complete sections I and II in student manual.

Carpentry Technology –Framing Level 2

Certificate of Proficiency
21 Credits

This certificate program prepares students additional skills and knowledge required for advancement with specialty contractors/builders, in particular how to design, layout and install basic stairs and roofs.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
CARP 114	Wall and Floor Framing	13
CARP 162	Stair Design and Construction	4
CARP 163	Rafters Design and Framing Level 1	4

* Must complete sections I and II in student manual.

Carpentry Technology –Interior Finish Level 1

Certificate of Proficiency
11 Credits

This certificate prepares students to find employment with residential specialty and/or general contractor whose primary focus is interior finishing. Students will have developed skills in drywall installation and finishing, installing interior doors, trim and cabinetry. Additionally students will have proficient skills in portable and stationary woodworking tools, material knowledge and specifications.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
CARP 115	Exterior and Interior Finish	7
CARP 164	Intermediate Woodworking and Cabinetry	4

Carpentry Technology –Interior Finish Level 2

Certificate of Proficiency
25 Credits

This certificate offers students the additional skills and knowledge that can lead to advancement when working for specialty or general contractors whose focus is interior finishing. Students will have proficient skills in installing high end finished products such as wainscoting and mantels. Additional skills will include fabricating material to match existing or architectural renderings as well as designing, constructing and installing custom cabinetry and/or trim.

Contacts: Glen Martin, ext. 4208 – gmartin@greenriver.edu
Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
CARP 115	Exterior and Interior Finish	7
CARP 164	Intermediate Woodworking and Cabinetry	4
CARP 165	Residential Remodeling Practices	4
CARP 171	Advanced Cabinetry and Wood Fabrication	6
CARP 172	Advanced Finish Carpentry	4

Captioning

Associate in Applied Arts Degree
162-171 Credits

Realtime captioning is done by specially trained court reporters called stenocaptioners. The stenocaptioner utilizes a steno machine to provide captions of live television programs and other forms of media for viewers with hearing loss through realtime technology that instantly produces readable English text. Broadcast captioners work for local stations and for national networks captioning news, emergency broadcasts, sporting events, and other programming.

Another facet of captioning is called Communication Access Realtime Translation (CART). This area allows stenocaptioners to provide more personalized services for people with hearing loss. CART captioners may accompany deaf or hard-of-hearing clients as needed to classes, meetings, conferences, doctor appointments, church services, etc., to provide instant conversion of speech into text utilizing the steno machine linked to a laptop, tablet, or other smart device.

The Green River Court Reporting & 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 090 is required prior to entry into the Court Reporting & Captioning program. Upon completion of the required classes, students qualify for the Associate in Applied Arts degree in Captioning.

Captioning (Broadcast Captioning):

Requires internship completion of 25 hours of writing time on campus, off-site, or remotely, under the supervision of an institutional instructor or a 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, pass two 5-minute tests on Q&A (two-voice) at 225 wpm with 95 percent accuracy or higher; and pass three 5-minute realtime literary tests with a minimum of 96% accuracy.

CART (Educational Captioning):

Requires internship completion of 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% accuracy or higher for evaluation purposes. In addition to the course work, there are recommended state and/or national examinations that a student should pass to become a captioner or CART provider.

Contacts: Lori Rapozo, ext. 4219 – rapozo@greenriver.edu
Sidney Weldele-Wallace, ext. 4705 – sweldele@greenriver.edu

Dept./No.	Course Title	Credits
# B A 145 or BTAC 110 or	Business Computation or Business Math Applications or Eligible for MATH 072	0-5
BTAC 109	Legal Terminology	3
BTAC 125	Medical Terminology for Office Administration	5
# BTAC 130 or ENGL 109 or	Business Correspondence or Writing for Trades and Professional/Technical Degrees or	
ENGL&101	English Composition	5
# CMST 100 or	Fundamentals of Oral Communication or	

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CMST 217 or CMST&220	Communication for Business and Professions or Public Speaking	5
CRC 101	Machine Shorthand Theory 1	8
CRC 102	Machine Shorthand Theory 2	8
CRC 103	Machine Shorthand Theory 3	8
CRC 111	Literary 60 wpm	4
CRC 112	Testimony 60 wpm	4
CRC 121	Literary 80 wpm	4
CRC 122	Testimony 80 wpm	4
CRC 131	Literary 100 wpm	4
CRC 132	Testimony 100 wpm	4
CRC 133	Jury Charge 100 wpm	4
CRC 141	Literary 120 wpm	4
CRC 142	Testimony 120 wpm	4
CRC 143	Jury Charge 120 wpm	4
CRC 144	Medical QA 120 wpm	4
CRC 150	Computer-Aided Transcription–Beginning	3
CRC 177-179 and	Court Reporting/Captioning Work Experience1-3 and	2-6
COOP 171	Work Experience Seminar	1
CRC 211	Literary 140 wpm	4
CRC 212	Testimony 140 wpm	4
CRC 213	Jury Charge 140 wpm	4
CRC 214	Medical QA 140 wpm	4
CRC 221	Literary 160 wpm	4
CRC 222	Testimony 160 wpm	4
CRC 223	Jury Charge 160 wpm	4
CRC 224	Medical QA 160 wpm	4
CRC 231	Literary 180 wpm	4
CRC 232	Testimony 180 wpm	4
CRC 241	Literary 200 wpm	4
CRC 242	Testimony 200 wpm	4
# CRC 250	Court Reporting Procedures 1	5
CRC 252	Testimony 225 wpm	4
CRC 254	Certification Prep 3	4
CRC 260	Introduction to Captioning/Alternative Careers	3
CRC 261	Captioning Practicum 1	3
CRC 262	Captioning Practicum 2	3
ECED 220	Introduction to Sign Language	2
INFO 110	Information Literacy and Research Skills	2

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110	Practical Financial Accounting 1	5
BTAC 100	Fundamentals of Computers	5
BTAC 107 or BTAC 108 or Typing Test	Typing Speed and Accuracy 1 or Typing Speed and Accuracy 2 or 60 wpm with fewer than 5 errors	0-4
BTAC 184	Internet and Basic Web Design	5
BTAC 266	Inside Microsoft Office	5
BUS 103	Business Leadership	5
BUS&201 or POLS&200	Business Law and the Regulation of Business or Introduction to Law	5
ENGL 106	Vocabulary Mastery	5

Additional Suggested Electives:

Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)

BTAC 112	Beginning Word	5
BTAC 255	Advanced Word	5
PHIL 112	Ethics in the Workplace	5

Satisfies related instruction requirement

* Keyboarding/typing skills may be demonstrated by passing two 5-minute typing tests at 60 wpm with 5 or less errors using the proper typing techniques administered by the Business Technologies and Administrative Careers Department.

Court Reporting

Associate in Applied Arts Degree 182-191 Credits

Court Reporters record the verbatim proceedings of a courtroom, deposition, hearing, arbitration, or meeting and provide an accurate transcript of the proceedings. Students learn how to prepare the transcript with the use of a computer. Additionally, students are trained in realtime writing and captioning for the hearing-impaired and nonhearing community. This skill affords new job opportunities.

Official court reporters record the proceedings in a court or hearing room. Freelance reporters may work in various offices or locations as the job necessitates and may be employed by a reporting firm.

The Green River Court Reporting program is accredited by the National Court Reporters Association. All students entering the Court Reporting program must be high school graduates or have earned a GED certificate. An appropriate spelling test score of 90 percent accuracy or above or ENGL 090 is required prior to entry into the Computer Reporting Technologies Program.

Upon completion of the required classes, students qualify for the Associate in Applied Arts degree in Court Reporting. They must have completed 60 hours of internship of which 50 hours is actual writing time during internship training; passed three 5-minute tests with 96 percent accuracy or above on literary at 180 wpm and jury charge at 200 wpm; and passed three 5-minute tests on Q and A (two-voice) at 225 wpm, two with 95 percent accuracy and two with 96 percent accuracy or above.

In addition to the 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.

Contacts: Lori Rapozo, ext. 4219 – rapozo@greenriver.edu
Sidney Weldele-Wallace, ext. 4705 – sweldele@greenriver.edu

Dept./No.	Course Title	Credits
#BA 145 or	Business Computation or Business Math Applications or MATH 072	0-5
BTAC 109	Legal Terminology	3
BTAC 125	Medical Terminology for Office Administration	5
#BTAC 130 or ENGL 109 or	Business Correspondence or Writing for Trades and Professional/Technical Degrees or	
ENGL&101	English Composition	5
#CMST 100 or CMST 217 or CMST &220	Fundamentals of Oral Communication or Communication for Business and Professions or Public Speaking	5
CRC 101	Machine Shorthand Theory 1	8
CRC 102	Machine Shorthand Theory 2	8
CRC 103	Machine Shorthand Theory 3	8
CRC 111	Literary 60 wpm	4
CRC 112	Testimony 60 wpm	4
CRC 121	Literary 80 wpm	4
CRC 122	Testimony 80 wpm	4
CRC 131	Literary 100 wpm	4
CRC 132	Testimony 100 wpm	4
CRC 133	Jury Charge 100 wpm	4
CRC 141	Literary 120 wpm	4
CRC 142	Testimony 120 wpm	4
CRC 143	Jury Charge 120 wpm	4
CRC 144	Medical QA 120 wpm	4
CRC 151	Computer-Aided Transcription – Advanced	3
CRC 177-179	Court Reporting/Captioning Work Experience 2-6 and	
COOP 171	Work Experience Seminar	1
CRC 211	Literary 140 wpm	4
CRC 212	Testimony 140 wpm	4
CRC 213	Jury Charge 140 wpm	4
CRC 214	Medical QA 140 wpm	4
CRC 221	Literary 160 wpm	4
CRC 222	Testimony 160 wpm	4
CRC 223	Jury Charge 160 wpm	4
CRC 224	Medical QA 160 wpm	4
CRC 231	Literary 180 wpm	4
CRC 232	Testimony 180 wpm	4
CRC 233	Jury Charge 180 wpm	4
CRC 234	Certification Prep 1	4

CRC 241	Literary 200 wpm	4
CRC 242	Testimony 200 wpm	4
CRC 243	Jury Charge 200 wpm	4
CRC 244	Certification Prep 2	4
#CRC 250	Court Reporting Procedures 1	5
#CRC 251	Court Reporting Procedures 2	5
CRC 252	Testimony 225 wpm	4
CRC 254	Certification Prep 3	4
CRC 260	Introduction to Captioning/Alternative Careers	3
ENGL 105	Grammar and Usage	5

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110	Practical Financial Accounting 1	5
BTAC 100	Fundamentals of Computers	5
BTAC 107 or	Typing Speed and Accuracy 1 or	
BTAC 108 or	Typing Speed and Accuracy 2 or	
* Typing Test	60 wpm with fewer than 5 errors	0-4
BTAC 184	Internet and Basic Web Design	5
BTAC 266	Inside Microsoft Office	5
BUS&201	Business Law and the Regulation of Business	5
ENGL 106	Vocabulary Mastery	5

Additional Suggested Electives:

Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)

BTAC 112	Beginning Word	5
BTAC 140	Records Managements	5
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5
BTAC 255	Advanced Word	5
CJ&101	Introduction to Criminal Justice	5
CJ&240	Introduction to Forensic Science	5

Satisfies related instruction requirement.

** Keyboarding/typing skills may be demonstrated by passing two 5-minute typing tests at 60 wpm with 5 or less errors using the proper typing techniques administered by the Business Technologies and Administrative Careers Department.*

Scopist/Text Editor

Certificate of Proficiency
44 Credits

Contacts: Lori Rapozo, ext. 4219 – rapozo@greenriver.edu
Sidney Weldele-Wallace, ext. 4705 – sweldele@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 109	Legal Terminology	3
BTAC 125	Medical Terminology for Office Administration	5
CRC 101	Machine Shorthand Theory 1	8
CRC 102	Machine Shorthand Theory 2	8
CRC 103	Machine Shorthand Theory 3	8
CRC 151	Computer-Aided Transcription – Advanced	3
CRC 250	Court Reporting Procedures 1	5

Electives:

Students must choose from the following courses to total 44 credits.

ACCT 110	Practical Financial Accounting 1	5
BA 145 or	Business Computation or	
BTAC 110 or	Business Math Applications	5
BTAC 112	Beginning Word	5
BTAC 130 or	Business Correspondence or	
ENGL&101 or	English Composition or	
ENGL 109	Writing for Trades and Professional/ Technical Degrees	5
BTAC 140	Records Management	5
BTAC 184	Internet and Basic Web Design	5

BTAC 266	Inside Microsoft Office	5
CRC 177-179	Court Reporting/Captioning Work Experience and	1-2
COOP 171	Work Experience Seminar	1
CRC 251	Court Reporting Procedures 2	5
CRC 260	Introduction to Captioning/Alternative Careers	3

Text Entry

Certificate of Proficiency
42 Credits

Contacts: Lori Rapozo, ext. 4219 – rapozo@greenriver.edu
Sidney Weldele-Wallace, ext. 4705 – sweldele@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 109	Legal Terminology	3
BTAC 125	Medical Terminology for Office Administration	5
BTAC 130 or	Business Correspondence or	
ENGL 109 or	Writing for Trades and Professional/ Technical Degrees or	
ENGL&101	English Composition 1	5
CRC 151	Computer-Aided Transcription – Advanced	3
CRC 221	Literary 160 wpm	4
CRC 222	Testimony 160 wpm	4
CRC 223	Jury Charge 160 wpm	4
CRC 224	Medical QA 160 wpm	4
CRC 260	Introduction to Captioning/Alternative Careers	3

Electives:

Students must choose from the following courses to total 42 credits.

ACCT 110	Practical Financial Accounting 1	5
BTAC 100	Fundamentals of Computers	5
BTAC 110	Business Math Applications	5
BTAC 112	Beginning Word	5
BTAC 140	Records Managements	5
BTAC 184	Internet and Basic Web Design	5
BTAC 255	Advanced Word	5
BTAC 266	Inside Microsoft Office	5
CRC 177-179	Court Reporting/Captioning Work Experience and	1-2
COOP 171	Work Experience Seminar	1
CRC 250	Court Reporting Procedures 1	5
ENGL 105	Grammar and Usage	5
ENGL 106	Vocabulary Mastery	5

Medical Office Administration

Associate in Applied Arts Degree
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, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393 – simpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

66 Programs of Study

Dept/No.	Course Title	Credits
AP 100	Survey of Anatomy-Physiology	5
#BUS 166	Human Relations and Work Readiness	5
BTAC 100	Fundamentals of Computers	5
*BTAC 102	Intermediate Keyboarding	5
#BTAC 110	Business Math Applications	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
BTAC 125	Medical Terminology for Office Administration	5
BTAC 126	Pharmaceutical Basics	2
BTAC 127	Overview of Human Diseases for Non-Clinicians	3
#BTAC 130	Business Correspondence	5
BTAC 142	Health Information, Technology and Legal Aspects	5
BTAC 143	Medical/Legal Aspects of Health Information	5
BTAC 145	Introduction to ICD Coding	5
BTAC 146	Introduction to CPT Coding	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 245	Medical Office Procedures	5
BTAC 248	Healthcare Reimbursement	5
#CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	5

Options:

Select from one of the following areas of concentration.

A. Front Office (14 credits)

BTAC 132	Business Communication Applications	5
BTAC 177 and	BTAC Work Experience 1 and	3
COOP 171	Work Experience Seminar	1
BTAC 266	Inside Microsoft Office	5

B. Medical Coding and Reimbursement (15 credits)

BTAC 180 or	Medical Coding Professional Practice Experience or	
BTAC 177 and	BTAC Work Experience 1 and	
COOP 171	Work Experience Seminar	5
BTAC 257	Intermediate ICD Medical Coding	5
BTAC 258	Intermediate CPT/HCPCS Medical Coding	5

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110	Practical Financial Accounting 1	5
BUS& 101	Introduction to Business	5
BTAC 101	Beginning Keyboarding	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	2
° BTAC 111	Introduction to Computer Literacy	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
° BTAC 115	Professional Image Building	1
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 175	Instructor Assistant	1-5
BTAC 178-179	BTAC Work Experience 2-3	2-10
BTAC 185	Introduction to Microsoft Access	5
BTAC 250	Office Relations and Procedures	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

° Qualifies as AA-DTA activity credit.

Commercial Pilot – Fixed Wing Pilot Option

Associate in Applied Science Degree

104 Credits

The Commercial Pilot Degree program prepares students for entry level jobs as commercial pilots in the aviation industry. Flight programs require a commitment from students. Gaps in training should be avoided at all costs. Students should plan on flying at least twice per week. The academic schedule can be found at greenriver.edu. Students may enter the program at the beginning of any quarter and must possess a valid 2nd class medical (1st class preferred for students pursuing an ATP certificate) certificate prior to commencing flight training. These medical certificates are issued by Federal Aviation Administration designated medical examiners. In addition all students must meet the requirements of the FAA under CFR Title 14, Part 61.123.

The student will be responsible for attending the scheduled flight lesson. Any missed appointments will be handled individually per the flight schools policies. Students who fail a flight course due to poor attendance will not be allowed to retake the course. Any cancellations beyond the control of the student and flight school (i.e. weather, aircraft mechanical problems) will be discussed with Green River's faculty to determine if any violation of policies has occurred.

If a student is unable to complete the class within the academic schedule for the registered quarter as shown in the published class schedule, the student must bring this problem to the attention of the flight school staff and Green River's faculty, as this may affect future funding for subsequent classes. If student is found not progressing at a normal rate, a meeting between the flight school instructor and Green River's faculty will occur to determine the cause of the problem and possible solution. Student will be expected to address any possible problems regarding flight training with Green River's faculty as soon as possible. Cancellations must be made in advance of the scheduled time. Students will make every effort to cancel flight and ground lessons per the respective flight school's policy. No-shows will result in the aircraft and/or flight instructor being released 15 minutes into the scheduled time. The student will be responsible for the cost of the lesson scheduled.

The student will have to complete the class within the academic schedule for the quarter in which the student registers. The student must complete this class satisfactorily before he/she can sign up subsequent flight classes in the degree program. Each flight class can be failed once, in the event the student fails two flight classes resulting in two "Fs," he/she will no longer be allowed to continue in the flight program.

In the case where a student gets an "I," the "incomplete" can only be carried over for thirty days, after which if the course requirements are not completed, the "incomplete" will become an "F". Per the Veterans Benefits Administration, an "Incomplete" is only given in the case of weather and mechanical cancellations.

Incompletes may also be given for extreme circumstances, other than weather and mechanicals, and may be considered on a case by case basis. Final grades for the flight class will be based on the individual class grading policies stated in the class syllabus.

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu

Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations	1
A SIM 216	Basic Instrument Flight Simulations	2
A SIM 218	Commercial Pilot Flight Simulations	1
AVIA 103	Aviation History and Careers	5
AVIA 110	Airline Operation	5
AVIA 111	Private Pilot Ground School	5
AVIA 112	Aircraft Systems	5
AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors-	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 218	Commercial Pilot Ground School	5
AVIA 265	Airline Dispatch	10
AVIA 267	International Flight Planning and ETOPS	5
# AVIA 270	Air Traffic Control Fundamentals	5
# CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# MATH 106 or	Essentials of PreCalculus I or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Students choose 15 credits from the following list for the Fixed Wing Pilot Option:

Option:		15
FLT 111	Private Pilot Flight 1	2
FLT 112	Private Pilot Flight 2	2
FLT 113	Private Pilot Flight 3	1
FLT 231	Commercial Pilot Flight 1	2
FLT 232	Commercial Pilot Flight 2	2
FLT 233	Commercial Pilot Flight 3	1
FLT 211	Instrument Pilot Flight 1	2
FLT 212	Instrument Pilot Flight 2	2
FLT 213	Instrument Pilot Flight 3	1

Satisfies related instruction requirements.

Commercial Helicopter Pilot Option

**Associate in Applied Science Degree
95 Credits**

Students should have received their helicopter private pilot's license before they begin the Green River College Commercial Helicopter Pilot Degree program. Students must have received the private pilot's license before they will be allowed to take any flight classes in the degree program. The degree prepares students for entry level jobs as commercial helicopter pilots. Flight programs require a commitment from students. Gaps in training should be avoided at all costs. Students should plan on flying at least twice per week. The academic schedule can be found at www.greenriver.edu. Students may enter the program at the beginning of any quarter and must possess a valid 2nd class medical (1st class preferred for students pursuing an ATP certificate) certificate prior to commencing flight training. These medical certificates are issued by Federal Aviation Administration designated medical examiners. In addition all students must meet the requirements of the FAA under CFR Title 14, Part 61.123.

The student will be responsible for attending the scheduled flight lesson. Any missed appointments will be handled individually per the flight schools policies. Students who fail a flight course due to poor attendance will not be allowed to retake the course. Any cancellations beyond the control of the student and flight school (i.e. weather, aircraft mechanical problems) will be discussed with Green River's faculty to determine if any violation of policies has occurred.

If a student is unable to complete the class within the academic schedule for the registered quarter as shown in the published class schedule, the student must bring this problem to the attention of the flight school staff and Green River's faculty, as this may affect future funding for subsequent classes. If student is found not progressing at a normal rate, a meeting between the flight school instructor and Green River's faculty will occur to determine the cause of the problem and possible solution. Student will be expected to address any possible problems regarding flight training with Green River's faculty as soon as possible. Cancellations must be made in advance of the scheduled time. Students will make every effort to cancel flight and ground lessons per the respective flight school's policy. No-shows will result in the aircraft and/or flight instructor being released 15 minutes into the scheduled time. The student will be responsible for the cost of the lesson scheduled.

The student will have to complete the class within the academic schedule for the quarter in which the student registers. The student must complete this class satisfactorily before he/she can sign up subsequent flight classes in the degree program. Each flight class can be failed once, in the event the student fails two flight classes resulting in two "Fs," he/she will no longer be allowed to continue in the flight program.

In the case where a student earns an "I," the "incomplete" can only be carried over for thirty days, after which if the course requirements are not completed, the "incomplete" will become an "F". Per the Veterans Benefits Administration, an "Incomplete" is only given in the case of weather and mechanical cancellations.

Incompletes may also be given for extreme circumstances, other than weather and mechanicals, and may be considered on a case by case basis. Final grades for the flight class will be based on the individual class grading policies stated in the class syllabus.

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Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 216	Basic Instrument Flight Simulations	2
A SIM 218	Commercial Pilot Flight Simulations	1
AVIA 103	Aviation History and Careers	5
AVIA 110	Airline Operation	5
AVIA 112	Aircraft Systems	5
AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors-	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 218	Commercial Pilot Ground School	5

AVIA 265	Airline Dispatch	10
# AVIA 270	Air Traffic Control Fundamentals	5
# CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# MATH 106 or	Essentials of PreCalculus I or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Students must choose 17 credits from the following list:

FLT 261	Instrument Pilot Helicopter Flight 1	2
FLT 262	Instrument Pilot Helicopter Flight 2	2
FLT 263	Instrument Pilot Helicopter Flight 3	1
FLT 271	Commercial Pilot Helicopter Flight 1	2
FLT 272	Commercial Pilot Helicopter Flight 2	2
FLT 273	Commercial Pilot Helicopter Flight 3	1
FLT 281	Instructor Pilot Helicopter Flight 1	2
FLT 282	Instructor Pilot Helicopter Flight 2	2
FLT 291	Instrument Instructor Pilot Helicopter Flight 1	2
FLT 292	Instrument Instructor Pilot Helicopter Flight 2	1

Satisfies related instruction requirements.

Basic Aviation Knowledge

**Certificate of Proficiency
10 Credits**

This certificate program prepares individuals with no background in aviation for the FAA Private Pilot written exam.

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5

Advanced Aviation Knowledge

**Certificate of Proficiency
15 Credits**

This certificate program prepares individuals with a private pilot and Instrument rating background for the FAA Commercial Pilot written exam.

Contact: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
Second Quarter		
AVIA 218	Commercial Pilot Ground School	5

Criminal Justice

Associate in Applied Science Degree

119-124 Credits

This 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. It is interdisciplinary in nature, drawing from such fields as psychology, political science, sociology, economics, biology and law. Students are encouraged to participate in the criminal justice club. 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.

This degree helps prepare students to transfer to a university to continue their education in Criminal Justice. Those interested in transferring to a university should consider this degree as it also satisfies the requirement of the Associate in Arts-Direct Transfer Agreement (AA-DTA) degree.

Contact: Mary Jane Swenson, ext. 4387 – mjswenson@greenriver.edu

Dept./No.	Course Title	Credits
Activity Credits	One Activity course from AA-DTA degree	1-5
#CMST& 210	Interpersonal Communication	5
#CMST 230	Small Group Communication	5
#ENGL& 101	English Composition I	5
ENGL 109 or	Writing for Trades and Professional/Technical Degrees or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
#MATH& 107	Math in Society or any college-level MATH class	5
Natural Science	Select any three courses from at least two separate areas. 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.	15
P E 101 or	Physical Fitness Lab or	(2)
P E 102 or	Jogging or	(2)
P E 103 or	Total Physical Fitness or	(3)
P E 111 or	Aerobic Walking or	(2)
P E 131 or	Weight Training or	(2)
P E 149 or	CORE Training for Health or	(2)
P E 160 or	Exercise and Nutrition or	(3)
P E 165 or	Exercise and Health or	(3)
P E 169	Fitness and Health	(3) 2-3
P E 113	Group Dynamics Activities	1
PHIL 240	Introduction to Ethics	5
PHOTO 111	Beginning Digital Photography	5
POLS& 101 or	Introduction to Political Science or	
POLS& 202	American Government	5
PSYC& 100	General Psychology	5
SOC& 101	Introduction to Sociology	5
Required Core Classes		
CJ& 101	Introduction to Criminal Justice	5
CJ& 105	Introduction to Corrections	5
CJ& 110	Criminal Law	5
CJ 120	Criminal Justice Professions	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205	Criminal Evidence	5
CJ 220	Multicultural Diversity in Criminal Justice	5
CJ 236	Community-Oriented Policing	5
SOC 215	Survey of Criminology	5
Electives: Select 5 credits from the following courses to total 119-124 credits.		
ANTH& 205 or	Biological Anthropology or	
ANTH& 236	Forensic Anthropology	5
BTAC 100	Fundamentals of Computers	5
CJ 115	Fingerprint Science	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	
COOP 171	Work Experience Seminar	1
CJ& 240	Introduction to Forensic Science	5
CJ 294	Special Topics-Criminal Justice	5
CJ 299	Independent Study-Criminal Justice	5
PHIL& 115 or	Critical Thinking or	
PHIL 160	Introduction to the Philosophy of Science	5
PHOTO 101	Beginning Black and White Photography	5
PSYC 209	Fundamentals of Psychological Research	5
SOC 245	Juvenile Delinquency	5

Satisfies related instruction requirements.

Note: Students must attain a grade of 2.0 or higher in all CJ classes.

Criminal Justice –Forensic Technology

Associate in Applied Science Degree

124-129 Credits

This 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 Technology. 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, accelerates, and fingerprint examination. Students are encouraged to participate in the Criminal Justice Club.

This degree helps prepare students to transfer to a university to continue their education in Forensics. Those interested in transferring to a university should consider this degree as it also satisfies the requirement of the Associate in Arts degree.

Contact: Mary Jane Swenson, ext. 4387 – mjswenson@greenriver.edu

Dept./No.	Course Title	Credits
Activity Credits	One Activity course from AA-DTA degree	1-5
AP 103	Essentials of Human Anatomy-Physiology 1	5
AP 104	Essentials of Human Anatomy-Physiology 2	5
BIOL& 100	Survey of Biology	5
#CMST& 210	Interpersonal Communication	5
#CMST 220	Public Speaking	5
#ENGL& 101	English Composition I	5
ENGL 109 or	Writing for Trades and Professional/Technical Degrees or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
#MATH& 107	Math in Society or any college-level MATH course	5
P E 101 or	Physical Fitness Lab or	(2)
P E 102 or	Jogging or	(2)
P E 103 or	Total Physical Fitness or	(3)
P E 111 or	Aerobic Walking or	(2)
P E 131 or	Weight Training or	(2)
P E 149 or	CORE Training for Health or	(2)
P E 160 or	Exercise and Nutrition or	(3)
P E 165 or	Exercise and Health or	(3)
P E 169	Fitness and Health	(3) 2-3
P E 113	Group Dynamics Activities	1
PHIL 240	Introduction to Ethics	5
PHOTO 101	Beginning Black and White Photography	5
PHOTO 111	Beginning Digital Photography	5
POLS& 101 or	Introduction to Political Science or	
POLS& 202	American Government	5
PSYC& 100	General Psychology	5
PSYC& 220	Abnormal Psychology	5
Required core classes (35 credits)		
CJ& 101	Introduction to Criminal Justice	5
CJ& 110	Criminal Law	5
CJ 120	Criminal Justice Professions	5
CJ 115	Fingerprint Science	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205	Criminal Evidence	5
CJ& 240	Introduction to Forensic Science	5
Electives: Select any three classes (15 credits maximum)		
ANTH& 205	Biological Anthropology	(5)
BTAC 140	Records Management	(5)
BTAC 250	Office Relations and Procedures	(5)
CJ& 105	Introduction to Corrections	(5)
CJ 120	Criminal Justice Professions	(5)
CJ 177 and	Criminal Justice Work Experience 1 and	
COOP 171	Work Experience Seminar	(1)
CJ 220	Multicultural Diversity in Criminal Justice	(5)
CJ 236	Community-Oriented Policing	(5)
CJ 294	Special Topics-Criminal Justice	(5)
CJ 299	Independent Study-Criminal Justice	(5)
PHIL& 115 or	Critical Thinking or	
PHIL 160	Introduction to the Philosophy of Science	(5)
PSYC 209	Fundamentals of Psychological Research	(5)
SOC 215	Survey of Criminology	(5)
SOC 245	Juvenile Delinquency	(5)

Satisfies related instruction requirements.

Note: Students must attain a grade of 2.0 or above in all classes.

Criminal Justice- Forensic and Fingerprint Technology Certificate of Proficiency 40 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: Mary Jane Swenson, ext. 4387 – mjswenson@greenriver.edu

Dept./No.	Course Title	Credits
CJ& 101	Introduction to Criminal Justice	5
CJ& 110	Criminal Law	5
CJ 115	Fingerprint Science	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205	Criminal Evidence	5
CJ& 240	Introduction to Forensic Science	5
ENGL& 101	English Composition I	5
PHOTO 111	Beginning Digital Photography	5

To enhance the student's preparation for future employment, the following are recommended:

BTAC 100	Fundamentals of Computers	5
BTAC 140	Records Management	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	1-5
COOP 171	Work Experience Seminar	1

Note: Students must attain a grade of 2.0 or above in all classes.

Criminal Justice – Corrections Certificate of Proficiency 40 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: Mary Jane Swenson, ext. 4387 – mjswenson@greenriver.edu

Dept./No.	Course Title	Credits
CJ& 101	Introduction to Criminal Justice	5
CJ& 105	Introduction to Corrections	5
CJ& 110 or	Criminal Law or	
CJ 205	Criminal Evidence	5
CJ 200	Individual Rights to Criminal Justice	5
CJ 220	Multicultural Diversity in Criminal Justice	5
CJ 236	Community Oriented Policing	5
ENGL& 101	English Composition I	5
SOC 215	Survey of Criminology	5

To enhance the student's preparation for future employment, the following are recommended:

BTAC 100	Fundamentals of Computers	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	1-5
COOP 171	Work Experience Seminar	1

Note: Students must attain a grade of 2.0 or higher in all CJ classes.

Criminal Justice – Law Enforcement Certificate of Proficiency 40 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: Mary Jane Swenson, ext. 4387 – mjswenson@greenriver.edu

Dept./No.	Course Title	Credits
CJ& 101	Introduction to Criminal Justice	5
CJ& 105	Introduction to Corrections	5
CJ& 110	Criminal Law	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205	Criminal Evidence	5
CJ 220	Multicultural Diversity in Criminal Justice	5
CJ 236	Community-Oriented Policing	5
ENGL& 101	English Composition I	5

To enhance the student's preparation for future employment, the following are recommended:

BTAC 100	Fundamentals of Computers	5
BTAC 140	Records Management	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	1-5
COOP 171	Work Experience Seminar	1

Note: Students must attain a grade of 2.0 or above in all classes.

Design Drafting Technology Associate in Applied Science Degree 90 Credits

This degree program allows students to sample a broad range of drafting careers, including studies in mechanical, architectural, civil, and structural drafting. Students develop proficiency in board drafting and computer-aided drafting. Students prepare drawings for manufacturing and fabrication. The American National Standards Institute (ANSI) and the American Society of Mechanical Engineers (ASME) drafting and design standards are taught and reinforced as students prepare drawings in both 2-D and 3-D using AutoCAD as well as other Parametric modeling application software. Throughout this course of study, students use sketches, notes, technical literature, and personal research to complete assignments. Students may take related credits in the trade areas of building, manufacturing, engineering, and welding.

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Dept./No.	Course Title	Credits
Required Courses		
# ACOMP 115 or	Technical Math 1 or	
MATH& 142 or higher	PreCalculus II or higher	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	5
D T 100 or	CAD Fundamentals or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
BTAC 105 and	Computer Fundamentals: Word and	(2)
BTAC 106	Computer Fundamentals: Excel	(2) 7-8
D T 101	Technical Drafting	7
D T 102	Descriptive Geometry	7
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2
D T 113 or	SolidWorks or	
D T 142	BIM Fundamentals Using REVIT	5
# D T 131	Drafting Across the Industries	7
D T 135	3D CAD Modeling	5
D T 200	Drafting and Design Capstone	3
D T 232	Drafting and Design Project	7
# ENGL 109 or	Writing for Trades and Professional/Technical Degrees or	
ENGL 128	Research Writing: Science/Engineering/Business	5

70 Programs of Study

Three credits from the following courses 3

CARP	Any Carpentry shop/lab course	(1-3)
INDUS	Any Industry shop/lab course	(1-3)
MFG	Any Manufacturing shop/lab course	(1-3)

Three to five credits from the following courses 3-5

CARP 167	Material Estimating	(3)
ENGR& 104	Introduction to Design	(5)
I E 189	Basic Metallurgy	(4)
I E 204	Statics and Strengths	(5)

Electives: Students choose 16-19 credits from the following list to complete 90 credits.

BUS 164	Entrepreneurship and Small Business Management	(5)
D T 110	Introduction to AutoCAD	(4)
D T 113	SolidWorks	(5)
D T 115	Geometric Dimensioning and Tolerancing	(4)
D T 116	Introduction to 3D Printing	(2)
D T 117	Modeling for 3D Printing	(4)
D T 125	Civil Drafting 1	(5)
D T 128	International Residential Code	(3)
D T 129	International Building Code	(3)
D T 141	Architectural Drafting 1	(5)
D T 142	BIM Fundamentals Using REVIT	(5)
D T 143	Intermediate Revit	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 210	Advanced AutoCAD Development 1	(4)
D T 225	Civil Drafting 2	(4)
D T 231	Mechanical Design (CADD)	(5)
D T 237	Mastercam 3D CAD/CAM	(4)
D T 241	Architectural Drafting 2	(4)
PHYS& 114	General Physics w/Lab	(5)

A maximum of five credits from the following courses 5

CARP	Any Carpentry shop/lab course	(1-5)
INDUS	Any Industry shop/lab course	(1-5)
MFG	Any Manufacturing shop/lab course	(1-5)

A maximum of seven credits from the following courses 7

BTAC 105	Computer Fundamentals: Word	(2)
BTAC 106	Computer Fundamentals: Excel	(2)
COOP 171	Work Experience Seminar	(1)
D T 175	Drafting Work Experience	(4-7)
D T 177 or	Drafting Work Experience 1 or	
D T 178 or	Drafting Work Experience 2 or	
D T 179	Drafting Work Experience 3	(3)
D T 180 or	Leadership Skills 1 or	
D T 181 or	Leadership Skills 2 or	
D T 182	Leadership Skills 3	(1)
D T 199 or	Independent Study-Drafting 1 or	
D T 299	Independent Study-Drafting 2	(1-5)
P E 113	Group Dynamic Activities	(1)
Tech 100	Careers for the New Millennium	(2)

Satisfies related instruction requirements.

Note: Courses used to satisfy "Required Courses" requirements may not be used to satisfy "Elective Courses" requirements.

Architectural Design Technology

Certificate of Proficiency

32 Credits

This certificate program allows students to present an emphasis in the architectural/construction industry demonstrating diverse knowledge in a changing field. Throughout the program, industry-accepted drafting and design standards will be taught and reinforced. Students use sketches, notes, technical literature, and personal research to complete assignments. Students complete related credits in the areas of construction and engineering.

Contacts: Terry Waagan, ext. 4342 – twaaagan@greenriver.edu
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Dept./No.	Course Title	Credits
D T 141	Architectural Drafting 1	5
D T 128	Understanding Residential Codes	3
D T 129	Understanding Building Codes	3
D T 142	BIM Fundamentals using Revit	5
D T 145	Structural Drafting: Steel	4
D T 146	Structural Drafting: Concrete	4
D T 241	Architectural Drafting 2	4
CARP	Any Carpentry shop/lab course	4

Civil Design Technology

Certificate of Proficiency

33 Credits

This certificate program allows students to present an emphasis in the civil/construction industry demonstrating diverse knowledge in a changing field. Throughout the program, industry-accepted drafting and design standards will be taught and reinforced. Students use sketches, notes, technical literature, and personal research to complete assignments. Students complete related credits in the areas of construction and engineering.

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Dept./No.	Course Title	Credits
D T 125	Civil Drafting 1	5
D T 128	Understanding Residential Codes	3
D T 129	Understanding Building Codes	3
D T 142	BIM Fundamentals using Revit	5
D T 145	Structural Drafting: Steel	4
D T 146	Structural Drafting: Concrete	4
D T 225	Civil Drafting 2	4
CARP	Any Carpentry shop/lab course	5

Mechanical Design Technology

Certificate of Proficiency

33 Credits

Mechanical designers and technicians assist engineers in industry and require a very broad technological background. Students develop proficiency in an array of manufacturing based computer programs. Throughout this course of study, students use sketches, notes, technical literature, and personal research to complete assignments. Students complete related credits in the areas of manufacturing and engineering.

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Adam Waters, ext. 4321 – awaters@greenriver.edu

Dept./No.	Course Title	Credits
D T 113	Solidworks	5
D T 115	Geometric Dimensioning and Tolerancing	4
D T 231	Mechanical Design (CADD)	5
D T 237	Mastercam 3D CAD/CAM	4
ENGR&104	Introduction to Design	5
I E 189	Basic Metallurgy	4
INDUS	Any Industry shop/lab course	3
MFG	Any Manufacturing shop/lab course	3

Early Childhood Education and Diversity Studies

Associate in Applied Science-Transfer (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 child care 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. Diversity Studies encompasses the knowledge, attitudes and skills necessary for students to understand power relations; 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.

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 a "D" grade 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

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Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Basic Skills (15 credits)		
ENGL& 101	English Composition I	5
# CMST& 220	Public Speaking	5
# MATH	Completion of a MATH course for which MATH 097 or higher is a prerequisite	5

Natural Science (10 credits)

(Must include at least one lab science course – designated in bold type)

BIOL& 100	Survey of Biology	5
BIOL 103	Introduction to Botany	5
CHEM& 121	Introduction into Chemistry	5
CHEM& 131	Introduction to Organic Chemistry and Biochemistry	5
CHEM& 140	General Chemistry Prep with Lab	6
CHEM& 161	General Chemistry with Lab I	6
CHEM& 162	General Chemistry with Lab II	6
CHEM& 261	Organic Chemistry with Lab I	6
CHEM& 262	Organic Chemistry with Lab II	6
GEOL& 101	Introduction to Physical Geology	5
GEOL 206	Earth History	5
GEOL&208	Geology of Pacific Northwest	5
PHYS& 110	Physics Non-Science Majors with Lab	5
PHYS& 115	General Physics I with Lab	5

Humanities (10 credits)

FILM 121	Contemporary American Film	5
FILM 191	Latin America in Film	5
ENGL 160	Literature By and About Women	5
ENGL 163	The Poetics of Rap and Hip Hop	5
ENGL 247	American Ethnic Literature	5
ENGL 248	African-American Literature	5
ENGL 250	US Indigenous Literature	5
ENGL 251	Asian American Literature	5
ENGL 257	Non-Western World Literature	5
HUMAN 200	Latin American Women: Struggles and Literature	5
HUMAN 224	Women and World Religions	5
PHIL 238	Introduction to Philosophy of Human Rights	5
SPAN& 221	Spanish IV	5
SPAN& 222	Spanish V	5
SPAN& 223	Spanish VI	5

Social Science (10 credits)

AMES 100	Introduction to Ethnic and Minority Studies	5
AMES 103	Intersections of Race, Gender, Class and Sexuality	5
AMES 105	Social Inequality and Change in American Sports	5
AMES 150	Race and Ethnicity in the Pacific Northwest	5
ANTH&206	Cultural Anthropology	5
ANTH&210	Indians of North America	5
GEOG& 200	Introduction to Human Geography	5
HIST 103	The Modern World	5
HIST& 215	Woman in US History	5
HIST 224	African American History	5
HIST 226	Asian-American History	5
HIST 228	Latinos in the US	5
HIST 233	History of Latin America	5
POLS& 204	Comparative Government	5
SOC 214	Sociology of Race and Ethnicity	5
SOC 220	Sex and Gender in Society	5

Early Childhood Education Core (45 credits)

# ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
# ECED& 120	ECE Practicum 1: Nurturing Relationships	2
ECED& 160	Curriculum Development in Early Childhood Education	5
ECED& 170	Environments - Young Child	3
ECED& 180	Language and Literacy Development	3
ECED& 190	Observation and Assessment	3
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3
EDUC& 150	Child, Family, Community Relationships	3
# EDUC 210	Assisting Practicum	3
EDUC 240	Multicultural/Anti-Bias Issues in Education	5

Satisfies related instruction requirement.

Early Childhood Education Paraeducator

Associate in Applied Science-Transfer (AAS-T)
93-94 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.

Through advising, the student can match their practicum placements and a portion of their course work to early childhood, elementary or secondary education with an emphasis in special education, ESOL classrooms, and other specialized populations.

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.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Basic Skills Requirements (5 credits)		
# ENGL& 101	English Composition I	5
#Select one 5-credit course from the following		
MATH& 107	Math in Society	(5)
MATH& 141	PreCalculus I	(5)
MATH 147	Finite Mathematics-Business and Social Science	(5)
MATH& 148	Business Calculus	(5)
MATH& 171	Math for Elementary Education I	(5)
Humanities (15 credits)		
ART& 100	Art Appreciation	5
# CMST& 220	Public Speaking	5
MUSC& 105	Music Appreciation	5

72 Programs of Study

Social Science (10 credits)

ANTH& 100 or	Survey of Anthropology or	
ANTH& 206	Cultural Anthropology	5
PSYC& 100	General Psychology	5

Natural Science (5 credits)

BIOL& 100 or	Survey of Biology or	
GEOL& 101	Introduction to Physical Geology	5

Program Core (53-54 credits)

ECED& 105 or	Introduction to Early Childhood Education or	
EDUC& 205	Introduction to Education with Field Experience	5
ECED& 107	Health, Safety and Nutrition	5
ECED 112	Technology in Education	3
ECED& 180	Language and Literacy Development	3
ECED& 190	Observation and Assessment	3
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3
EDUC 191	The Role of the Paraeducator	3
EDUC& 204	Exceptional Child	5
# EDUC 210	Assisting Practicum	6
EDUC 245	Challenging Behaviors in Young Children	2
EDUC 293	Issues of Child Abuse	2
Electives	Any ECED and/or EDUC	8-9

* NOTE:

1. You must consult with an appropriate advisor to obtain information on specific requirements of the receiving baccalaureate institution.
2. Some courses may have prerequisites. See course catalog for descriptions.

Early Childhood Education

Associate in Applied Science Degree (AAS)

90-100 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 child care centers, Head Start, family child care 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.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
# B A 145 or	Business Computation or	
# BTAC 110	Business Math Applications or	
	MATH course 100 or higher	5
# CMST&220	Public Speaking	5
# ENGL&101	English Composition I	5
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
# ECED& 120	ECE Practicum 1-Nurturing-Relationships	2
ECED& 160	Curriculum Development in ECE	5
ECED& 170	Learning Environments-Young Child	3
ECED& 180	Language and Literacy Development	3
ECED& 190	Observation and Assessment	3
ECED 152	Multicultural Books	3
ECED 155	Exploring Science and Math	5
ECED 165	Art for Children	3
ECED 175	Music/Movement Activities	3
ECED 250	Early Childhood Education Final Practicum	3
EDUC 240	Multicultural/Anti-Bias Issues in Education	3-5
EDUC&115	Child Development	5
EDUC& 130	Guiding Behavior	3
EDUC& 150	Child, Family and Community Relationships	3
EDUC&204	Exceptional Child	5

Select six credits from the following practicum classes: 6

ECED 126	Child Development Associate Practicum 1	(3)
ECED 127	Child Development Associate Practicum 2	(3)
# ECED 214	Early Childhood Education Practicum 2	(3)
# ECED 215	Early Childhood Education Practicum 3	(3)
EDUC210	Assisting Practicum	(3-6)

Electives/Areas of Specialization or General Education Requirements 7-15

Any ECED or EDUC course numbered 100 or higher; or courses from the Humanities, Social Science or Natural Science distribution requirements of AA-DTA degree. (See Advisor).

Satisfies related instruction requirements.

Early Childhood Education

Certificate of Proficiency

44 Credits

This certificate program is for students wishing to study young children. It can be used as an entry-level training or as a specialization in areas of infant/toddler care, preschool, before and after school care, or center management.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Students must choose from the following courses to total 44 credits:		
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
ECED 124	Early Childhood Education Practicum 2	2
ECED 112	Technology in Education	3
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behaviors	3
EDUC 240	Multicultural/Anti-Bias Issues in Education	3-5
Electives or Areas of Specialization		14-16

Any ECED or EDUC class numbered 100 or higher

Areas of Specialization include:

- Child Development Associates (CDA)
- Montessori Teaching
- Infant/Toddler Care Giving
- Center Management
- School-age Programs
- Family Child Care

Any combination of ECED or EDUC practicum maybe taken to satisfy practicum classes for this certificate.

EDUC 210 may count toward practicum or may be used as an elective.

Early Childhood Assistant Teacher

Certificate of Proficiency

29 Credits

The Early Childhood Assistant training is an introduction to early learning including methods of interacting with young children in the areas of art, music and movement. It prepares students to assume the role of a teacher's aide. Students are trained in the basic child care techniques of child development, health and safety, and guidance and discipline. In addition, they are completers of Step 6 on the Washington Career Lattice for Early Care and Education Professionals.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED 100	Basic STARS Training	3
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
ECED 165	Art for Children	3
ECED 175	Music/Movement Activities	3
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3

Early Childhood Education – Child Development Associate (CDA) Certificate of Proficiency 12 Credits

Students who successfully complete this certificate with a minimum grade of 2.0 in each class are eligible to apply to take the CDA examination, which leads to a nationally recognized CDA credential. The Child Development Associate (CDA) National Credentialing Program focuses on the skills of early care and education professionals. It is designed to provide performance-based training, assessment, and credentialing of childcare staff, home visitors, and family child care providers.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED 125	Introduction to CDA	3
ECED 225	CDA Course Content	3
ECED 230	CDA Work Ethics	3
ECED 260	CDA Performance Documentation	3

Recommended Supplemental Courses

ECED 126	CDA Practicum 1	3
ECED 127	CDA Practicum 2	3

Early Childhood Education – Instructional Paraeducator Certificate of Proficiency 44 Credits

This certificate program prepares students for positions in both public and private school classrooms. Based on the Washington State Paraeducator standards, the certificate provides students training needed to work as effective members of instructional teams. Core competencies covered in this program prepare instructional aides 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.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105 or EDUC & 205	Introduction to Early Childhood Education or Introduction to Education with Field Experience	5
ECED& 107	Health, Safety and Nutrition	5
ECED 112	Technology in Education	3
ECED& 120	ECE Practicum 1: Nursing Relationships	2
ECED& 180	Language and Literacy Development	3
ECED&190	Observation and Assessment	3
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3
EDUC 191	The Role of the Paraeducator	3
EDUC& 204	Exceptional Child	5
EDUC 210	Assisting Practicum	3
EDUC 245	Challenging Behaviors in Young Children	2
EDUC 293	Issues of Child Abuse	2

Early Childhood Education –Montessori Teaching Certificate of Proficiency 35 Credits

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED 181	Montessori Practicum 1	4
ECED 182	Montessori Practicum 2	4
ECED 211	Introduction to Montessori	4
ECED 212	Montessori 2	4
ECED 213	Montessori 3	4
ECED 265	Supervised Montessori Teaching	4
ECED 297	Montessori Intensive	6
EDUC& 115	Child Development	5

State Early Childhood Education Certificate (Statewide) Certificate of Proficiency 52 Credits

The Early Childhood Education (ECE) State Credential is the benchmark for Level 2 Core Competencies for Early Care and Education Professionals. The 52-credit "stackable certificate" requires Math, English, and Oral Communications 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.

Contacts: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
# B A 145 or MATH	Business Computation or Any MATH class 100 or higher	5
# CMST& 220	Public Speaking	5
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
# ECED& 120	ECE Practicum 1: Nurturing Relationships	2
EDUC& 150	Child, Family, Community Relationships	3
ECED& 160	Curriculum Development in ECE	5
ECED& 170	Environments-Young Child	3
ECED& 180	Language and Literacy Development	3
ECED& 190	Observation and Assessment	3
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3
# ENGL& 101	English Composition I	5

Satisfies related instruction requirements.

State Initial Early Childhood Education Certificate (Statewide) Certificate of Proficiency 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: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2

State Short Early Childhood Education Certificate of Specialization Administration (Statewide) Certificate of Proficiency 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: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
EDUC& 115	Child Development	5
Area of Specialization:		
ECED& 139	Administration of Early Learning Programs	3

State Short Early Childhood Education Certificate of Specialization- Family Child Care (Statewide)

Certificate of Proficiency
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: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
EDUC& 115	Child Development	5

Area of Specialization:

ECED& 134	Family Child Care	3
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State Short Early Childhood Education Certificate of Specialization-General (Statewide)

Certificate of Proficiency
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: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
EDUC& 115	Child Development	5

Area of Specialization:

EDUC& 130	Guiding Behavior	3
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State Short Early Childhood Education Certificate of Specialization- Infants and Toddlers (Statewide)

Certificate of Proficiency
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: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
EDUC& 115	Child Development	5

Area of Specialization:

ECED& 132	Infant and Toddlers-Nurturing Care	3
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State Short Early Childhood Education Certificate of Specialization- School Age Care (Statewide)

Certificate of Proficiency
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: Diana Holz, ext. 4334 – dholz@greenriver.edu
Leslie Kessler, ext. 4555 – lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety and Nutrition	5
ECED& 120	ECE Practicum 1: Nurturing Relationships	2
EDUC& 115	Child Development	5

Area of Specialization:

ECED& 136	School-Age Care	3
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Emergency Medical Technician

Certificate of Proficiency
12 Credits

The Emergency Medical Technician program teaches students the roles and responsibilities according to state and King county standards and requirements. Students develop skills in patient evaluation and other emergency medical procedures. Graduates of this program are eligible to take the National Registry Exam to qualify for state certification after meeting the Washington state requirement of employment.

Contact: Donette Parry, Ext. 4489 – dparry@greenriver.edu

Dept./No.	Course Title	Credits
EMT 101	Emergency Medical Technician	12

Information Technology – Network Administration and Security

Bachelor of Applied Science Degree (BAS)
180 Credits

Overview

The BAS degree in Information Technology 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. Successful graduates of the BAS degree in Information Technology program will be able to:

1. 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.
2. Analyze the security vulnerabilities of an organization's information technology resources.
3. Plan and implement security measures and practices for an organization's information technology resources.
4. Evaluate user needs, and use those needs to plan the implementation of information technology systems that meet those needs.
5. Prepare for industry certification exams.

This degree 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.

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 builds:

- IT 102 Programming Fundamentals
- IT 114 CompTIA A+ Certification Preparation
- IT 131 Networking Fundamentals
- IT 160 Windows Server Administration I
- IT 190 Linux Administration I
- IT 210 Introduction to Routing and Switching
- IT 240 Windows Server Administration II

Graduation Requirements:

Students must attain a cumulative GPA of at least 2.5.

For more information about this degree please contact the Green River IT faculty at itdegrees@greenriver.edu

Dept./No.	Course Title	Credits
Communication Skills (15 credits)		
ENGL& 101	English Composition I	5
ENGL 128 or ENGL 127 or ENGL 126	Research Writing: Science/Engineering/Business or Writing: Social Sciences or Writing: Humanities	5
ENGL 335	Advanced Technical Writing	5
Quantitative/Symbolic Reasoning Skills (5 credits)		
MATH 108 or MATH& 107 or higher	Contemporary Math for Information Technology or Math in Society	5
Humanities (10 credits)		
CMST 338 or CMST 238 or	Diversity in the Workplace or Intercultural Communication or Any Humanities course approved from AA-DTA degree	5
PHIL 412 or PHIL 112 or	Professional Ethics or Ethics in the Workplace or Any Humanities course from AA-DTA degree	5
Social Sciences (10 credits)		
BUS& 101 or CJ& 240 or	Introduction to Business or Any Social Science course from AA-DTA degree. Introduction to Forensic Science or Any Social Science course from AA-DTA degree.	5 5
Natural Sciences (10 credits)		
	Five credits Natural Science lab course in List A from AA-DTA degree	5
	Five credits of Natural Science List A or List B course from AA-DTA degree	5
Additional General Education (10 credits)		
	Ten credits from Humanities, Social Science, or Natural Science courses from AA-DTA degree.	10
Core Requirements (55 credits)		
IT 310	Routing and Switching in the Enterprise	5
IT 335	Network Security Foundations and Policies	5
IT 340	Network Security and Firewalls	5
IT 344	Virtualization and Storage	5
IT 360	Introduction to Computer Forensics and Vulnerability Assessment	5
IT 370	Cloud System Operations: Microsoft Azure	5
IT 385	Scripting for Windows and Linux	5
IT 390	Mobile Devices and Wireless Networking-Enterprise	5
IT 410	Designing and Supporting Computer Networks	5
IT 460	Threat Analysis	5
IT 490	Capstone: Networking and Security	5
Information Technology Electives (45 credits)		
	Information Technology or Computer Science courses numbered 100 or higher	45
Electives (20 credits)		
	20 credits from any courses numbered 100 or higher	20

IT Advanced Network Administration and Security

**Certificate of Proficiency
40 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 least 2.5.

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:

- IT 102 Introduction to Programming
- IT 114 CompTIA A+ Certification Preparation
- IT 131 Networking Fundamentals
- IT 160 Windows Server Administration I
- IT 190 Linux Administration
- IT 210 Introduction to Routing and Switching
- IT 240 Windows Server Administration II

For more information about this degree please contact the Green River IT faculty at itdegrees@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements		
IT 310	Routing and Switching in the Enterprise	5
IT 335	Network Security Foundations and Policies	5
IT 340	Network Security and Firewalls	5
IT 344	Virtualization and Storage	5
IT 360	Introduction to Computer Forensics and Vulnerability Assessment	5
IT 385 or IT 390	Scripting for Windows and Linux or Mobile Devices and Wireless Network-Enterprise	5 5
IT 410	Designing and Supporting Computer Networks	5
IT 460	Threat Analysis	5

Information Technology – Software Development

**Bachelor of Applied Science (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. Successful graduates of the program should 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.

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.

76 Programs of Study

Entry Requirements

To enter this program, students must have an associate degree or higher from a regionally accredited institution. 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 academic advisor in the Information Technology department to develop an educational plan to prepare for entry into the program.

The following courses, or equivalents, are strongly recommended before entering this program because they contain foundational knowledge upon which the upper-division courses build:

- IT 201 Database Fundamentals
- IT 206 Front-End Web Development
- IT 207 Web Programming with JavaScript
- IT 219 Programming I **or** CS& 141 Computer Science I Java
- IT 220 Programming II **or** CS 145 Java 2-Data Structures

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

Students must attain a cumulative GPA of 2.5.

For more information about this degree please visit www.greenriver.edu/software or contact an Information Technology program advisor at itdegrees@greenriver.edu.

Dept./No.	Course Title	Credits
Core Requirements (55 credits)		
IT 301	Systems Programming	5
IT 305	Web Development Frameworks	5
IT 328	Full Stack Web Development	5
IT 333	Data Structures and Algorithms	5
IT 355	Agile Development Methods	5
IT 372	Software Maintenance and Evolution	5
IT 378 or BUS 400	Software Development Internship or Personal and Professional Branding	5
IT 405	Mobile Development Frameworks	5
IT 426	Design Patterns and Practices	5
IT 485	Software Development Capstone 1	5
IT 486	Software Development Capstone 2	5

Communication Skills

 (15 credits)

ENGL& 101	English Composition I	5
ENGL 128 or ENGL 126 or ENGL 127 or CMST& 210 or CMST& 220 or CMST& 230	Research Writing: Science/Engineering/Business or Writing: Humanities or Writing: Social Sciences or Interpersonal Communication or Public Speaking or Small Group Communication	5
ENGL 335	Advanced Technical Writing	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, or higher recommended)	5
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Humanities

 (10 credits)

CMST 338 or CMST 238	Diversity in the Workplace or Intercultural Communication or Any Humanities course from AA-DTA degree	5
Humanities Course	Any Humanities course from AA-DTA degree	5

Social Sciences

 (10 Credits)

Social Science courses	Ten credits of Social Science courses from AA-DTA degree	10
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Natural Sciences

 (10 credits)

Lab Science course	Five credits of Natural Science lab-List A course from AA-DTA degree	5
Natural Science course	Five credits from Natural Science List A or List B courses from AA-DTA degree	5

General Education Electives

 (10 credits)

Distribution courses	Ten credits from Humanities, Social Science, or Natural Science courses from AA-DTA degree	10
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Technical Electives

 (20 credits)

20 credits of any Computer Science (CS) courses, any Information Technology (IT) courses, or any of the following Mathematics courses:

MATH& 146	Introduction to Statistics	
MATH 210	Discrete Math	
MATH 256	Statistics for Business and Social Science	20

Electives

 (45 credits)

45 credits from any courses at the 100-level or higher	45
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IT Web Application Development

Certificate of Proficiency

40 Credits

The Web Application Development certificate program is for anyone who has earned an associate's or bachelor's degree and is interested in learning how to build modern websites and web applications. This certificate program is designed to prepare students for continued studies in the Bachelor of Applied Science in Software Development degree program and for employment as an entry-level web developer or computer programmer familiar with the best practices in industry.

Students must earn a cumulative GPA of at least 2.5. All of the courses in this certificate program apply towards the Bachelor of Applied Science in Information Technology: Software Development degree.

Entry Requirements:

To enter this certificate program, students must have earned an associate's degree or bachelor's degree from a regionally accredited institution. The following coursework, or equivalent work experience, in all of these areas, are strongly recommended before entering this program as the courses in this program build on programming fundamentals.

IT 201	Database Fundamentals
IT 206	Front-End Web Development
IT 207	Web Programming with JavaScript
IT 219 or CS& 141	Programming 1 or Computer Science I – Java
IT 220 or CS 145	Programming 2 or Java 2 Data Structures

For more information about this degree please visit greenriver.edu/software or contact an Information Technology program advisor at itdegrees@greenriver.edu.

Dept./No.	Course Title	Credits
Core Requirements		
IT 301	Systems Programming	5
IT 305	Web Development Frameworks	5
IT 328	Full Stack Web Development	5
IT 333	Data Structures and Algorithms	5
IT 355	Agile Development Methods	5
IT 372	Software, Maintenance, and Evolution	5
IT 405	Mobile Development Frameworks	5
IT 426	Design Patterns and Practices	5

Information Technology – Systems and Security

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

90 Credits

This degree program prepares students for entry into a Bachelor of Applied Science in Information Technology: Network Administration and Security or Information Technology: Software Development 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 software development, resulting in a balanced, well-rounded knowledge of information technology. In year 2, students complete four courses on key advanced networking topics (Option 1) or four courses in software development (Option 2). In addition to these specialized courses, students learn key interpersonal communication skills sought by employers.

Successful graduates of the program should be able to:

- Understand and demonstrate the functions of information technology services support.
- Understand and demonstrate procedures to install, configure, support, and troubleshoot Linux and Windows 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, subnetting, and troubleshooting procedures.

Contact: itdegrees@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements (25 credits)		
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230 or	Small Group Communication or	
CMST 238	Intercultural Communication	5
ENGL& 101	English Composition I	5
ENGL 128 or	Research Writing: Science/Engineering/Business or	
ENGL 126 or	Writing: Humanities or	
ENGL 127	Writing: Social Sciences	5
PHIL 111 or	Technology, Society, and Values or	
BUS& 101 or	Introduction to Business or	
	Any Natural Science List A or List B course from AA-DTA degree or	
	Five credits from Natural Science List A or List B courses from AA-DTA degree or	
	Any Humanities course from AA-DTA degree	5
MATH 108 or	Math for Information Technology or	
MATH& 107 or higher	Math in Society	5

NOTE: Students who wish to continue on to the BAS IT: Network Administration and Security should complete MATH 108 or MATH 147. Students who wish to continue on to the BAS IT: Software Development should complete MATH& 141 or MATH 147, or higher.

Core Requirements (35-42 credits)

IT 102	Programming Fundamentals	5
IT 114 or	CompTIA A+ Certification Preparation or	
	CompTIA A+ Certification	0 or 7
IT 131	Networking Fundamentals	5
IT 135	CompTIA Security+ Certification Preparation	5
IT 141	Customer Service and Work Environment for IT Professionals	5
IT 160	Windows Server Administration I	5
IT 190	Linux Administration I	5
IT 201	Database Fundamentals	5

Complete 20 or 22 credits from one of the two options below: 20 or 22

Option 1: Network Administration and Security (22 credits)

IT 210	Introduction to Routing and Switching	7
IT 240	Windows Server Administration II	5
IT 245	Windows Server Administration III	5
IT 293	System Analysis and Troubleshooting	5

Option 2: Software Development (20 credits)

IT 206	Front-End Web Development	5
IT 207	Web Programming with JavaScript	5
IT 219 or	Programming I or	
CS& 141	Computer Science I—Java	5
IT 220 or	Programming 2 or	
CS 145	Java 2—Data Structures	5

Electives: (1 or 3 OR 8 or 10* credits)

IT 175 or	Student Assistant or	(0-3)
IT 178 or	Information Technology Work Experience or	
	Any course numbered 100 or higher may be used for Elective credits.	

Three elective credits are required (0-3)

Notes:

- * 1-3 elective credits are required if IT 114 is taken.
- * 8 or 10 elective credits are only required if a CompTIA A+ certification is used in place of IT 114

IT Fundamentals

Certificate of Proficiency

15-17 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 Associate of Applied Science-T degree in Information Technology Systems.

Contact: (253)833.9111, ext. 4600.— itdegrees@greenriver.edu,

Dept./No.	Course Title	Credits
Core Requirement (5 credits)		
IT 102	Programming Fundamentals	5
Complete any two of the following courses (10-12 credits)		
IT 114	CompTIA A+ Certification Preparation	7
IT 131	Networking Fundamentals	5
IT 135	CompTIA Security+ Certification Preparation	5
IT 160	Windows Server Administration I	5
IT 201	Database Fundamentals	5

Legal Administrative Assistant

Associate in Applied Arts Degree

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: Shannon Sharpe, ext. 4378 — ssharpe@greenriver.edu
 Lea Ann Simpson, ext. 4393 — lsimpson@greenriver.edu
 Julie Slettvet, ext. 4687 — slettvet@greenriver.edu

Dept./No.	Course Title	Credits
Any course under the AA degree Lifetime Fitness/Wellness and Activity areas		
BTAC 100	Fundamentals of Computers	5
* BTAC 102	Intermediate Keyboarding	5
BTAC 103	Advanced Keyboarding	5
BTAC 109	Legal Terminology	3
# BTAC 110	Business Math Applications	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
# BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5
BTAC 177 and	BTAC Work Experience 1	3
COOP 171	Work Experience Seminar	1
BTAC 235	Legal Office Procedures	5
# BTAC 250 or	Office Relations and Procedures or	
BUS 166	Human Relations and Work Readiness	5
BTAC 220	Technology in the Legal Office	5
BTAC 266	Inside Microsoft Office	5
BUS& 201	Business Law and the Regulation of Business	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
POLS& 200	Introduction to Law	5
Reading	Eligible for READ 104 (as determined by the appropriate placement score) or completion of READ 094	0-5

78 Programs of Study

To enhance the student's preparation for future employment, we recommend the following:

ACCT 110 or	Practical Financial Accounting 1 or	
ACCT& 201 or	Principles of Accounting I or	
BTAC 090	Office Accounting	5
BUS& 101 or	Introduction to Business or	
BUS 164	Entrepreneurship and Small Business Management	5
BUS 166	Human Relations and Work Readiness	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	4-8
BTAC 111	Introduction to Computer Literacy	5
° BTAC 115	Professional Image Building	1
BTAC 163	Advanced Excel	5
BTAC 175	Instructor Assistant	1-5
BTAC 178-179	BTAC Work Experience 2-3	2-10
BTAC 184	Internet and Basic Web Design	5
BTAC 185	Introduction to Microsoft Access	5
BTAC 214	Introduction to Information Security	5
BTAC 250	Office Relations and Procedures	5
BTAC 255	Advanced Word	5
CJ& 101	Introduction to Criminal Justice	5
PHIL 114	Philosophical Issues in Law	5
ENGL 105	Grammar and Usage	5
PSYC& 100	General Psychology	5
SOC& 101	Introduction to Sociology	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Satisfies related instruction requirements.

° Qualifies as AAA and AA-DTA activity credit

Note: 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.

Machining and Manufacturing Technology Associate in Applied Science Degree 100-107 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: Tom Tagliente, ext. 4261 – ttagliente@greenriver.edu

Dept./No.	Course Title	Credits
# ACOMP 101 or	Computations for the Trades or	
MATH 072 or	Elementary Algebra or	
	Eligible for MATH 097, Intermediate Algebra	0-5
#*BUS 166 or	Human Relations and Work Readiness or	
CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST 217 or	Communication for Business and Professions or	
CMST& 220 or	Public Speaking or	
CMST 238	Intercultural Communication	5
#*CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5

# ENGL&101 or	English Composition I or	
ENGL 109	Writing for Trades and Professional/Technical Degrees	5
INDUS 111	Welding Survey 1	3
MFG 101 or	Introduction to Machining and Manufacturing or	
AAM 101	Principles of Precision Machining 1	13
MFG 102	Conventional Milling and Turning	13
MFG 103 or	Conventional and CNC Machining Level 1 or	
AAM 102	Principles of Precision Machining 2	13
MFG 104	Conventional and CNC Machining Level 2	13
MFG 105	Intermediate CNC Machining	13
MFG 106 or	Special Machining Practices or	
MFG 177	Manufacturing Work Experience	13
MFG 115	Reading Engineering Drawings	2
MFG 162 or	Applied Materials for Manufacturing or	
I E 189	Basic Metallurgy	2-4

Electives: To enhance the learner's preparation for future employment, we recommend the following:

BTAC 111	Introduction to Computer Literacy	5
D T 115	Geometric Dimensioning and Tolerancing	4

Satisfies related instruction requirements.

* Students who are planning to take CMST 100, 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.

Machining and Manufacturing Technology Certificate of Proficiency 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, ext. 4261 – ttagliente@greenriver.edu

Dept./No.	Course Title	Credits
ACOMP 101 or	Computation for the Trades or	
MATH 072 or	Elementary Algebra or	
	Eligible of MATH 097, Intermediate Algebra	0-5
MFG 101 or	Introduction to Machining and Manufacturing or	
AAM 101	Principles of Precision Machining 1	13
MFG 102	Conventional Milling and Turning	11
MFG 103 or	Conventional and CNC Machining Level 1 or	
AAM 102	Principles of Precision Machining 2	13
MFG 115	Reading Engineering Drawings	2

Maintenance Mechatronics

Associate in Applied Science Degree
97-104 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 maintenance field as a maintenance technician or assistant. 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, their related graphic symbols, and the blueprints and schematics which utilize them for graphic communication.

The courses will examine, explain and utilize basic analytical methods and concepts that are critical to safely and efficiently work in the dynamic high energy world of industrial machinery.

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: Pat Pritchard, ext. 4261 – ppritchard@greenriver.edu

Dept./No.	Course Title	Credits
#ACOMP 101 or MATH 072	Computations for the Trades or Elementary Algebra or Eligible for MATH 097, Intermediate Algebra	0-5
BTAC 100	Fundamentals of Computers	5
BTAC 111	Introduction to Computer Literacy	5
*#BUS 166 or CMST 100 or CMST& 210 or CMST& 220 or CMST 238	Human Relations and Work Readiness or Fundamentals of Written Communication or Interpersonal Communication or Public Speaking or Intercultural Communication	5
*#CMST 100 or CMST& 210 or CMST& 220 or CMST& 230	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication	5
# ENGL& 101 or ENGL 109	English Composition I or Writing for Trades and Professional/Technical Degrees	5
INDUS 111	Welding Survey 1	3
MFG 101 or AAM 101	Introduction to Manufacturing and Machining or Principles of Precision Machining 1	13
MFG 115	Reading Engineering Drawings	2
MFG 162 or I E 189	Applied Materials for Manufacturing or Basic Metallurgy	2-4
MTX 100	Maintenance Mechatronics 1	13
MTX 110	Maintenance Mechatronics 2	13
MTX 120	Maintenance Mechatronics 3	13
MTX 130	Maintenance Mechatronics 4	13

Satisfies related instruction requirements.

* Students who are planning to take CMST 100, CMST& 210, or CMST& 220 will **only** be able to count it as either fulfilling the Oral Communication or the Human Relations credit requirement of the Related Instruction requirements.

Maintenance Mechatronics 1

Certificate of Proficiency
13 Credits

Contact: Pat Pritchard, ext. 4261 – ppritchard@greenriver.edu

Dept./No.	Course Title	Credits
AAM 103 or MTX 100	Machine Maintenance 1 or Maintenance Mechatronics	13

Maintenance Mechatronics 2

Certificate of Proficiency
13 Credits

Contact: Pat Pritchard, ext. 4261 – ppritchard@greenriver.edu

Dept./No.	Course Title	Credits
AAM 104 or MTX 110	Machine Maintenance 2 or Maintenance Mechatronics 2	13

Mechanical Design and Quality Assurance

Associate in Applied Science Degree
120 Credits

Mechanical Designers and Inspection Technicians in industry require a very broad technological background. Students develop proficiency in board drawing and computer-aided drafting. Students prepare drawings for manufacturing and fabrication. The American National Standards Institute (ANSI) and the American Society of Mechanical Engineers (ASME) drafting and design standards will be taught and reinforced as students prepare drawings in both 2-D and 3-D using AutoCAD, KeyCreator, and Mastercam applications software. These skills will be combined with knowledge of Quality Assurance and Inspection. Throughout this course of study, students use sketches, notes, technical literature, and personal research to complete assignments. Added to this will be knowledge of various measuring tools and techniques to verify requirements set out in the drawings created. Students complete related credits in the areas of manufacturing and engineering. For additional information, see the course description listed under Design Technology.

Contacts: Terry Waagan, ext. 4342 – waagan@greenriver.edu

Dept./No.	Course Title	Credits
AAM 105	Quality Assurance 1	7
AAM 106	Quality Assurance 2	7
AAM 107 and D T 104 or AAM 112 and D T 101	Inspection 1 and Machine Drafting or Inspection Measuring Basics and Technical Drafting	(7) (3) (3) (7)
AAM 108 or AAM 114 and D T 115	Inspection 2 or Computerized Measuring for Inspection and Geometric Dimensioning and Tolerancing	(7) (3) (4)
# CMST 100 or CMST& 210 or CMST& 220	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking	5
D T 100 or D T 110	CAD Fundamentals or Introduction to AutoCAD	(7) (4)
D T 102	Descriptive Geometry	7
D T 105 or Tech 100	Design Drafting Careers or Careers for the New Millennium	2
D T 113	SolidWorks	5
# D T 131	Drafting Across the Industries	7
D T 135	3D CAD Modeling	5
D T 231	Mechanical Design (CADD)	5
D T 232	Drafting and Design Projects	7
D T 237	Mastercam 3D CAD/CAM	4
# ENGL 109 or ENGL 128	Writing for Trades and Professional/Technical Degrees or Research Writing: Science/Engineering/Business	5
I E 189 or I E 204	Basic Metallurgy or Statics and Strengths	(4) (5)

Five credits from the following MATH courses (5 credits)

MATH& 141	PreCalculus I	5
MATH& 142	PreCalculus II	5
MATH& 151	Calculus I	5
MATH& 152	Calculus II	5

Electives: Select 20-24 credits from the following to total 120 credits. 20-24

COOP 171	Work Experience Seminar	(1)
D T 175	Drafting Work Experience	(4-6)
D T 177-179	Drafting Work Experience 1-3	(3 ea)
D T 180-182	Leadership Skills 1-3	(1 ea)
D T 199 or 299	Independent Study-Drafting 1 or 2	(1-5 ea)
D T 200	Drafting and Design Capstone	(3)
D T 210	Advanced AutoCAD Development 1	(4)
ENGR 106	Introduction to Engineering Problems	(3)
INDUS 111	Welding Survey 1	(3)
MFG	Any MFG class	(10)

Satisfies related instruction requirements.

Marketing and Entrepreneurship

Bachelor of Applied Science Degree (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 097 level or higher (5 credits with a grade of 2.5 or better)
- Completion of ENGL& 101 or ENGL 126 or ENGL 127 or ENGL 128 (5 credits with a grade of 2.5 or better)

For more information about this degree, please contact either of the following:

Contacts: Tim Broxholm, ext. 4377 – tbroxholm@greenriver.edu
Jeff Perlot, ext. 4865 – jperlot@greenriver.edu

Dept. No.	Course Title	Credits
Core Requirements (55 credits)		
BUS 300	Introduction to Entrepreneurial Leadership	5
BUS 310	Market Research and Analytics	5
BUS 335	Integrated Marketing Communications	5
BUS 344	Entrepreneurial Finance	5
BUS 350	Product Development and Innovation	5
BUS 360	Sales and Negotiation	5
BUS 385	Operations Management for Competitive Advantage	5
BUS 390	Digital Marketing	5
BUS 395	Strategic Marketing and Management	5
BUS 460	Venture Launch 1	5
BUS 490	Venture Launch 2	5

Communication Skills (10 credits)

ENGL& 101	English Composition I	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128 or	Research Writing: Science/Engineering/Business or	
ENGL& 235	Introduction to Technical Communication	5
ENGL 335	Advanced Technical Writing	5

Quantitative Skills/Symbolic Reasoning (5 credits)

MATH& 141 or	PreCalculus or	
MATH 147	Finite Math-Business and Social Science	5

Humanities (10 credits)

CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communications	5
PHIL 112 or	Ethics in the Workplace or	
PHIL& 115 or	Critical Thinking or	
PHIL 412	Professional Ethics	5

Social Sciences (10 credits)

BUS& 101 or	Introduction to Business or	
BUS 181	Introduction to International Business	5
Social Science	Five credits of Social Science courses from AA-DTA degree	5

Natural Sciences (10 credits)

MATH 256	Statistics for Business and Social Science	5
Natural Science	Five credits of Natural Science lab course in List A from AA-DTA degree	5

Additional General Education (15 credits)

ACCT& 201 or	Principles of Accounting or	
ACCT 110	Practical Financial Accounting	5
BUS 365	Consumer Behavior	5
BUS 400	Personal and Professional Branding	5

Business Electives (15 credits)

BUS 121	Introduction to Marketing Principles	5
BUS 401	Special Topics 1: Marketing and Entrepreneurship	2
BUS 402	Special Topics 2: Marketing and Entrepreneurship	2
BUS 403	Special Topics 3: Marketing and Entrepreneurship	2
BUS 404	Special Topics 4: Marketing and Entrepreneurship	2
BUS 405	Special Topics 5: Marketing and Entrepreneurship	2

Additional credits from an Associate's Degree or equivalent in business-related field

50

Medical Office Administration

Associate in Applied Arts Degree

94-108 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. Students in this program must complete each class with a grade of 2.0 or higher.

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.

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: Shannon Sharpe, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393 – simpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept/No.	Course Title	Credits
AP 100	Survey of Anatomy-Physiology	5
BUS 166	Human Relations and Work Readiness	5
BTAC 100	Fundamentals of Computers	5
* BTAC 102	Intermediate Keyboarding	5
# BTAC 110	Business Math Applications	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
BTAC 125	Medical Terminology for Office Administration	5
BTAC 126	Pharmaceutical Basics	2
BTAC 127	Overview of Human Diseases for Non-Clinicians	3
# BTAC 130	Business Correspondence	5
BTAC 142	Health Information and Delivery Systems	5
BTAC 143	Medical/Legal Aspects of Health Information	5
BTAC 145	Introduction to ICD Coding	5
BTAC 146	Introduction to CPT Coding	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 245	Medical Office Procedures	5
CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	5
Reading	Eligible for READ 104 or completion of READ 094	0-5

Options: Select from one of the following areas of concentration.

A. Front Office (14 credits)

BTAC 132	Business Communication Applications	5
BTAC 177 and	BTAC Work Experience 1 and	3
COOP 171	Work Experience Seminar	1
BTAC 266	Inside Microsoft Office	5

B. Medical Coding and Reimbursement (23 credits)

BTAC 180	Medical Coding Professional Practice Experience	5
BTAC 248	Healthcare Reimbursement Methodology	5
BTAC 257	Intermediate ICD Medical Coding	5
BTAC 258	Intermediate CPT/HCPCS Medical Coding	5
BTAC 259	Medical Encoder Practicum	3

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110	Practical Financial Accounting 1	5
BUS& 101	Introduction to Business	5
BTAC 101	Beginning Keyboarding	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	2
° BTAC 111	Introduction to Computer Literacy	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
° BTAC 115	Professional Image Building	1
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 175	Instructor Assistant	1-5
BTAC 185	Introduction to Microsoft Access	5
BTAC 250	Office Relations and Procedures	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

° Qualifies as AA-DTA activity credit.

**Medical Front Office
Certificate
54-59 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, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393– simpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
* BTAC 102	Intermediate Keyboarding	5
# BTAC 110	Business Math Applications	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
BTAC 125	Medical Terminology for Office Administration	5
# BTAC 130	Business Correspondence	5
BTAC 132	Business Communication Applications	5
BTAC 177 and	BTAC Work Experience 1 and	3
COOP 171	Work Experience Seminar	1
# BTAC 245	Medical Office Procedures	5
# BUS 166	Human Relations and Work Readiness	5
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220	Public Speaking	5
Reading	Eligible for READ 104 (as determined by the appropriate placement score) or completion of READ 094	0-5

To enhance the student's preparation for future employment, the following are recommended:

ACCT 110	Practical Financial Accounting 1	5
BTAC 101	Beginning Keyboarding	5
BTAC 107 and/or	Typing Speed and Accuracy 1 and/or	
BTAC 108	Typing Speed and Accuracy 2	2
° BTAC 111	Introduction to Computer Literacy	5
BTAC 112 or	Beginning Word or	
BTAC 255	Advanced Word	5
° BTAC 115	Professional Image Building	5
BTAC 140	Records Management	5
BTAC 150	Introduction to Windows	5
BTAC 162 or	Introduction to Excel or	
BTAC 163	Advanced Excel	5
BTAC 175	Instructor Assistant	1-5

BTAC 185	Introduction to Microsoft Access	5
BTAC 214	Introduction to Information Security	5
BTAC 250	Office Relations and Procedures	5
BUS& 101	Introduction to Business	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

° Qualifies as AA-DTA activity credit.

**Medical Office Manager
Certificate of Proficiency
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– simpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
ACCT 110	Practical Financial Accounting 1	5
BTAC 130	Business Correspondence	5
BTAC 245	Medical Office Procedures	5
BTAC 266	Inside Microsoft Office	5
BUS 166	Human Relations and Work Readiness	5
CMST& 210	Interpersonal Communication	5

Electives: To enhance the student's preparation for future employment, select 10 credits from the following:

AP 100 or	Survey of Human Anatomy and Physiology or	
AP 102	Bringing Anatomy and Physiology to Life	5
BTAC 100	Fundamentals of Computers	5
BTAC 110	Business Math Applications	5
BTAC 112	Beginning Word	5
BTAC 122	Introduction to Medical Transcription	5
BTAC 140	Records Management	5
BTAC 142	Health Information and Delivery Systems	5
BTAC 143	Medical/Legal Aspects of Health Information	5
BTAC 145	Introduction to ICD Coding	5
BTAC 146	Introduction to CPT Coding	5
BTAC 150	Introduction to Windows	5
BTAC 162	Introduction to Excel	5
BTAC 185	Introduction to Microsoft Access	5
BTAC 214	Introduction to Information Security	5
BTAC 250	Office Relations and Procedures	5
BTAC 255	Advanced Word	5
ENGL 108	Medical Terminology	2

**Records Information Clerk
Certificate of Proficiency
25-30 Credits**

These classes may be applied towards 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, ext. 4378 – ssharpe@greenriver.edu
Lea Ann Simpson, ext. 4393– simpson@greenriver.edu
Julie Slettvet, ext. 4687 – slettvet@greenriver.edu

Dept./No.	Course Title	Credits
BTAC 100	Fundamentals of Computers	5
* BTAC 101	Beginning Keyboarding	0-5
BTAC 111	Introduction to Computer Literacy	5
BTAC 112	Beginning Word	5
BTAC 140	Records Management	5
CMST& 210	Interpersonal Communication	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

Natural Resources in Forest Resource Management
Track 1: Sampling and Assessment
Track 2: Forestry Operations
Bachelors of Applied Science Degree
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.

Entry Requirements:

To enter this program, students must have completed a minimum of a two-year associate degree in forestry or related field. Students must consult a Natural Resources instructor for advising for this degree.

Students must attain a cumulative GPA of at least 2.0.

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
 Chuck Wytko, ext. 4590 – cwytko@greenriver.edu

Dept./No.	Course Title	Credits
Natural Resources Core (37 credits)		
NATRS 385	Forest Protection and Disease Management	5
NATRS 390	Environmental Decision Making and Conflict Resolution	5
NATRS 399	Natural Resources Seminar	1
NATRS 400	Forest Practices Law and Policy	5
NATRS 416	UAV Applications and Mapping	5
NATRS 418	Resource Management GIS Applications 2	1
NATRS 471	Restoration Techniques	5
NATRS 493	Advanced Silviculture	5
NATRS 494	Capstone in Natural Resources	5

Specialty Track 1 – Sampling and Assessment (18 credits)

NATRS 300	Forest Ecology	6
NATRS 386	Bio-Invasions: Invasive Species Management	5
NATRS 417	Resource Management GIS Applications 1	1
NATRS 419	Resource Management GIS Applications 3	1
NATRS 461	Wildlife Ecology	5

Specialty Track 2 – Forestry Operations (20 credits)

NATRS 301	Resource Economics	5
NATRS 401	Advanced Harvest Systems: Cable and Aerial Based	5
NATRS 402	Advanced Harvest Systems: Ground Based	5
NATRS 403	Transportation System Design	5

General Education Requirements (60 credits)

Mathematics (5 credits)		
MATH& 146	Introduction to Statistics	5

English (15 credits)

ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
ENGL 335	Advanced Technical Writing	5

Natural Science: (10 credits)

Ten credits of any Natural Science List A or List B courses from AA-DTA degree with a minimum of 5 credits from List A.

Suggested courses include:

BIOL 110	Northwest Ecology	5
GEOL& 208	Geology of the Pacific Northwest	5

Humanities (20 credits)

Twenty credits of any *Humanities* courses from the AA-DTA degree. *Suggested courses include:*

CMST& 220	Public Speaking	5
CMST& 230	Small Group Communication	5
PHIL& 115	Critical Thinking	5
PHIL 243	Environmental Ethics	5

Social Science (10 credits)

Any course that satisfies a Social Science requirement in the AA-DTA degree 10

Students must complete 71 credits for Track 1 Sampling and Assessments and 69 credits for Track 2 Forestry Operations from the Associate degrees or equivalent credits in a forestry-related field courses to total 186 credits.

Recommended courses:

NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 161	Wildlife Habitat Management	4
NATRS 172	Computer Applications Overview	4
NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photo, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 192	GIS for Natural Resources	5
NATRS 205	Wildland Recreation	4
NATRS 210	Introduction to Soils	5
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 270	Stream and Wetland Ecology	5
NATRS 277-280	Natural Resources Internship 1-4	14
NATRS 284	Road and Trail Engineering	7
NATRS 286	Natural Resources Business Principles	5
NATRS 290	Internship Seminar	1
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4

Natural Resources –Forestry
Associate in Applied Science Degree
110 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.

Students may enter the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important! For best results, students should enter these career-technical programs at the beginning of summer or fall quarter.

Natural Resources with emphasis in Forestry and specialties in Natural Resources-Geographic Information System Option, Park Management, Water Quality and Wildland Fire.

All courses apply to the Associate in Arts degree as elective courses and may be transferable to a four year natural resources program.

Completion of high school algebra and trigonometry courses or equivalent is recommended before beginning this program.

Students can also earn an Associate in Pre-Professional degree in natural resources.

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
 Chuck Wytko, ext. 4590 – cwytko@greenriver.edu

Dept./No.	Course Title	Credits
FIRST YEAR		
Summer Quarter		
# CMST& 220	Public Speaking	5
# ENGL& 101	English Composition	5
Fall Quarter		
ENGL 128	Research Writing: Science/Engineering/Business	5
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 205	Wildland Recreation	4
Winter Quarter		
NATRS 172	Computer Applications Overview	4
# NATRS 180	Natural Resources Measurement	6
NATRS 270	Stream and Wetland Ecology	5
Spring Quarter		
NATRS 161	Wildlife Habitat Management	4
NATRS 182	Aerial Photo, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
P E 113	Group Dynamics Activities	1
	(taken concurrently with NATRS 182)	

SECOND YEAR

Summer Quarter: Work Experience

Fall Quarter

NATRS 192	GIS for Natural Resources	5
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8

Winter Quarter

NATRS 210	Introduction to Soils	5
NATRS 284	Road and Trail Engineering	7
NATRS 290	Internship Seminar	1
NATRS 293	Silvicultural Analysis and Forest Protection	4

Spring Quarter

# NATRS 286	Natural Resources Business Principles	5
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Capstone

NATRS 277, 278, 279 and 280	Natural Resources Internship 1-4	14
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To enhance the student's preparation for future employment, the following are recommended:

AVIA 123	Aviation Weather	5
ENGR 106	Introduction to Engineering Problems	3
HL ED 190	Standard First Aid/CPR	3
NATRS 130	Wildland Firefighter Training	4
NATRS 134	Intermediate Wildland Fire Behavior	3
NATRS 162	Biology and Conservation of Birds	3
NATRS 198-199	Independent Study-Natural Resources 1-2	1-5
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5
ST SK 110	College Success Strategies	5

Satisfies related instruction requirements

Note: Students may enter the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important!

**Natural Resources –
Geographic Information Systems Option**
Associate in Applied Science Degree
120 Credits

This degree option prepares graduates to work outside collecting data using electronic equipment such as Global Positioning Systems (GPS) or ArcPad, laser range-finders, and data-loggers. Students will also work inside at a computer, downloading the data collected into databases to produce Geographic Information systems (GIS) computer-generated maps for public and private entities. Requirements for field experience with this degree are consistent with the Natural Resources BAS agreement.

Students may enter the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important!

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
Chuck Wytko, ext. 4590 – cwytko@greenriver.edu

Dept./No	Course Title	Credits
FIRST YEAR		
Fall Quarter		
NATRS 100	Introduction to Natural Resources	5
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 205	Wildland Recreation	4
Winter Quarter		
NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurements	6
NATRS 270	Stream and Wetland Ecology	5
NATRS 290	Internship Seminar	1
Spring Quarter		
#ENGL & 101	English Composition I	5
NATRS 261	GIS Tool Applications	5
NATRS 182	Aerial Photo, GIS and Forest Navigation	8
P E 113	Group Dynamics Activities (taken concurrently with NATRS 182)	1

SECOND YEAR

Summer Quarter

ENGL 128	Research Writing: Science/Engineering/Business	5
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Fall Quarter

#CMST& 220	Public Speaking	5
NATRS 192	GIS for Natural Resources	5
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8

Winter Quarter

NATRS 210	Introduction to Soils	5
NATRS 263	Cartography	5
NATRS 284	Road and Trail Engineering	7

Spring Quarter

NATRS 161	Wildlife Habitat Management	4
NATRS 262	GIS in the Field	5
#NATRS 286	Natural Resources Business Principles	5

Summer Quarter-

NATRS 277, 278, 279 and 280	Natural Resources Internship 1-4	14
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To enhance the student's preparation for future employment, the following are recommended:

Any NATRS course		1-8
GEOG 120	Introduction to Physical Geography	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 293	Silvicultural Analysis and Forest Protection	4
ST SK 110	College Success Strategies	5

Satisfies related instruction requirements.

Natural Resources – Park Management
Associate in Applied Science Degree
115-117 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. Rangers are responsible for constructing and maintaining trails, campgrounds, and facilities. They collect fees, explain and enforce park rules, and promote public safety.

Students may enter the Natural Resources program in any quarter, however many natural resources courses are only offered one time each year. Course sequencing is important! Complete prerequisite as early as possible.

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
Chuck Wytko, ext. 4590 – cwytko@greenriver.edu

Dept./No.	Course Title	Credits
FIRST YEAR		
Summer Quarter		
#CMST& 220	Public Speaking	5
#ENGL& 101	English Composition I	5
Fall Quarter		
ENGL 128	Research Writing: Science/Engineering/Business	5
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 205	Wildland Recreation	4
Winter Quarter		
NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 270	Stream and Wetlands Ecology	5
Spring Quarter		
NATRS 161	Wildlife Habitat Management	4
NATRS 182	Aerial Photo, GIS, and Forest Navigation	8
NATRS 184	Shrub and Wildflower Identification	8
P E 113	Group Dynamics Activity (taken concurrently with NATRS 182)	1

SECOND YEAR

Fall Quarter

NATRS 192	GIS for Natural Resources	5
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8

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Winter Quarter

NATRS 284	Road and Trail Engineering	7
NATRS 290	Internship Seminar	1
NATRS 293	Silvicultural Analysis and Forest Protection	4

Spring Quarter

GEOL& 101 and SOC& 101 or NATRS 123	Introduction to Physical Geology and Introduction to Sociology or Backcountry Watershed and Forest Assessment	(5) (10) (12)	10-12
#NATRS 286	Natural Resources Business Principles		5

Capstone

*NATRS 277, 278, 279 and 280	Natural Resources Internship 1-4		14
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To enhance the student's preparation for future employment, we recommend the following:

AVIA 123	Aviation Weather	5
GEOL 200	Geological Investigation of the National Parks	5
GEOL& 208	Geology of the Pacific Northwest	5
HL ED 190	Standard First Aid/CPR	3
NATRS 162	Biology and Conservation of Birds	3
NATRS 198-199	Independent Study-Natural Resources 1-2	1-5
NATRS 271	Stream and Wetland Restoration	5
NATRS 298-299	Independent Study-Natural Resources 4-6	1-5
ST SK 110	College Success Strategies	5

Other Small Engine Repair, Basic Carpentry, Plumbing, Wiring

* Complete NATRS 277, 278, 279 and 280 in summer quarter if needed.

Satisfies related instruction requirements.

Note: Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced. Examples include courses involving small engine repair, basic carpentry, plumbing or wiring.

Natural Resources – Water Quality

Associate in Applied Science Degree
130-132 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.

Students may enter the Natural Resources program in any quarter, however many natural resources classes are only offered one time each year. Correct sequencing is important!

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
Chuck Wytko, ext. 4590 – cwytko@greenriver.edu

Dept./No.	Course Title	Credits
FIRST YEAR		
Summer Quarter		
#CMST& 220	Public Speaking	5
#ENGL& 101	English Composition I	5
Fall Quarter		
ENGL 128	Research Writing: Science/Engineering/Business	5
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 205	Wildland Recreation	4
Winter Quarter		
NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 270	Stream and Wetland Ecology	5
Spring Quarter		
NATRS 161	Wildlife Habitat Management	4
NATRS 182	Aerial Photo, GIS, and Forest Navigation	8
NATRS 184	Shrub and Wildflower Identification	8
P E 113	Group Dynamics Activities (taken concurrently with NATRS 182)	1

SECOND YEAR

Fall Quarter

NATRS 192	GIS for Natural Resources	5
NATRS 272	Fish Identification and Habitat	5
NATRS 292	Resource Sampling and Appraisal in Forest Conditions	8

Winter Quarter

NATRS 210	Introduction to Soils	5
NATRS 284	Road and Trail Engineering	7
NATRS 290	Internship Seminar	1
NATRS 293	Silvicultural Analysis and Forest Protection	4

Spring Quarter

GEOL& 101 and SOC& 101 or NATRS 123	Introduction to Physical Geology and Introduction to Sociology or Backcountry Watershed and Forest Assessment	(5) (5) (12)	10-12
NATRS 271	Stream and Wetland Restoration		5
#NATRS 286	Natural Resources Business Principles		5

Capstone

* NATRS 277-280	Natural Resources Internship 1-4		14
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To enhance the student's preparation for future employment, the following are recommended:

Any Course	Biology, Chemistry, and Geology	5 ea
AVIA 123	Aviation Weather	5
GEOG 120	Introduction to Physical Geography	5
HL ED 190	Standard First Aid/CPR	3
NATRS 162	Biology and Conservation of Birds	3
NATRS 210	Introduction to Soils	5
NATRS 198, 199	Independent Study-Natural Resources 1-2	1-5
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5
ST SK 110	College Success Strategies	5

Satisfies related instruction requirements.

* Complete NATRS 277-280 in summer quarter.

Note: Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced.

Natural Resources – Wildland Fire

Associate in Applied Science Degree
111 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.

Students may enter the Natural Resources program in any quarter, however many natural resources courses are only offered one time each year. Correct sequencing is important!

Contacts: Monica Priebe, ext. 4509 – mpriebe@greenriver.edu
Chuck Wytko, ext. 4590 – cwytko@greenriver.edu

Dept./No.	Course Title	Credits
FIRST YEAR		
Summer Quarter		
#ENGL& 101	English Composition I	5
FIRST YEAR		
Fall Quarter		
ENGL 128	Research Writing: Science/Engineering/Business	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 100	Introduction to Natural Resources	5
Winter Quarter		
NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 270	Stream and Wetland Ecology	5
Spring Quarter		
NATRS 130	Wildland Firefighter Training I-100 and S-130/190	4
NATRS 161	Wildlife Habitat Management	4
NATRS 182	Aerial Photo, GIS and Forest Navigation	8
P E 113	Group Dynamic Activities (taken concurrently with NATRS 182)	1

SECOND YEAR

Summer Quarter: Wildfire experience required

Fall Quarter

#CMST& 220	Public Speaking	5
NATRS 192	GIS for Natural Resources	5
NATRS 292	Resource Sampling and Appraisal	8

Winter Quarter

NATRS 131	Advanced Wildland Firefighter Training S-131, ICS 100 through 400	6
NATRS 284	Road and Trail Engineering	7
NATRS 290	Internship Seminar	1
NATRS 293	Silvicultural Analysis and Forest Protection	4

Spring Quarter

NATRS 184	Shrub and Wildflower Identification	8
#NATRS 286	Natural Resources Business Principles	5

Capstone

*NATRS 277, 278, 279, 280	Natural Resources Internship 1-4	14
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To enhance the student's preparation for future employment, the following are recommended:

AVIA 123	Aviation Weather	5
BTAC 100	Fundamentals of Computers	5
ENGR 106	Introduction to Engineering Problems	3
HL ED 190	Standard First Aid/CPR	3
NATRS 132	Wildland Firefighter Crew Boss S-230	2
NATRS 133	Wildland Firefighter Engine Boss S-231	1
NATRS 134	Intermediate Wildland Fire Behavior	3
NATRS 162	Biology and Conservation of Birds	3
NATRS 198, 199	Independent Study-Natural Resources 1-2	1-5
NATRS 205	Wildland Recreation	4
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5
PHYS& 114	General Physics I with Lab	5
ST SK 110	College Success Strategies	5

* Complete NATRS 277, 278, 279 and 280 in summer quarter.

Satisfies related instruction requirements.

Note: Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced.

Occupational Therapy Assistant

Associate in Applied Science Degree

125 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 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 Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20824-1220. AOTA's phone number is (301) 652-AOTA. Graduates of the program will be able to sit for the national certification examination for occupational therapy assistants administered by the National Board for Certification of Occupational Therapy (NBCOT) located at 12 S. Summit Avenue, Suite 100, Gaithersburg, MD 20877. NBCOT's phone number is (301) 990-7979. After successful completion of this examination, the graduate will be a Certified Occupational Therapy Assistant (COTA). Washington State requires licensure in order to practice.

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 for the review is \$100; a payment form can be found on NBCOT's Website – www.nbcot.org – under "Forms".

New students are admitted twice a year (fall and spring). Level 2 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 that up to a 90-minute drive (one way) for level 1 fieldwork and up to 60-minute drive (one way) for level II fieldwork is possible. Also, students may be placed outside the Puget Sound area.

Program Application

Applications are accepted in January for the spring start program and February for the fall program. Specific dates can be found on the program website. When the program fills, applicants will be placed on alternate list.

OTA program admission requirements and the application process are subject to change from year to year. If you are planning to apply for a later year, the packet will provide guidelines for the application process. The application packet is updated each fall for the following year and it is the applicant's responsibility to be aware of current application requirements.

- Candidates may apply when they have earned a minimum of 20 quarter credits in program prerequisite courses with a minimum grade of 2.0 in each course and a cumulative GPA of at least 2.5 (grades on 4.0 scale).
- Prerequisite courses for the OTA program are:
 - AP 103 or BIOL& 241 and AP 104 or BIOL& 242 - Sequencing of all Anatomy and Physiology courses must be taken at the same institution.
 - ENGL& 101
 - PSYC& 100
- Submission of a one page statement describing applicant's interest and knowledge in the field.
- A minimum of 20 hours of work, volunteer, or job shadow experience in occupational therapy. All job shadowing needs to be documented on job shadowing form and placed in a sealed envelope signed by an OT or COTA at the time of the application is required.

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.

Does the program transfer to four-year schools?

The courses for the Occupational Therapy Assistant program are not designed to transfer. Students who seek occupational therapy degrees should pursue a Bachelor's degree and then attend an occupational therapy program.

Contacts: Melissa Porras-Monroe, ext. 4933 – MPorras-Monroe@greenriver.edu
 Lisa Finnsson, ext.4341 – lfinnsson@greenriver.edu
 Career & Advising Center, ext. 2641 – Beadvised@greenriver.edu

Information Session: Sign up: greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
First Quarter		
OTA 100	Introduction to Occupational Therapy	3
OTA 101	Life Span Growth and Development in Humans	3
OTA 102	OTA Applied Anatomy and Kinesiology	3
OTA 103	OTA Applied Anatomy and Kinesiology Lab	2
OTA 111	Fundamentals of OT as Health Care Providers	2
OTA 112	Fundamentals of OT as Health Care Providers Lab	2
Second Quarter		
H SCI 104	Fundamentals of Gerontology	3
OTA 120	Developmental Disabilities 1	3
OTA 121	Developmental Disabilities 1 Lab	2
OTA 122	Physical Disabilities 1	3
OTA 123	Physical Disabilities 1 Lab	2

Third Quarter

OTA 126	Clinical Seminar 1	1
OTA 127	Clinical Seminar 1 Lab	1
OTA 130	Professional Advocacy Experience	1
OTA 131	Physical Disabilities 2	3
OTA 132	Physical Disabilities 2 Lab	2
OTA 133	Psychosocial Dysfunction	3
OTA 134	Psychosocial Dysfunction Lab	1
* OTA 128	Application of OTA 1	1

Fourth Quarter

* OTA 200	Developmental Disabilities 2	1
OTA 201	Developmental Disabilities 2 Lab	2
# OTA 202	Ethics, Society and Professional Practice	3
OTA 210	Therapeutic Practices in OT	3
OTA 211	Therapeutic Practices Clinical Skills Training	2
OTA 212	Therapeutic Group Leadership	1
OTA 213	Therapeutic Group Leadership Lab	1
* OTA 223	Application of OTA 2	1

Fifth Quarter

# OTA 220	Therapeutic Group Activities 2	1
OTA 221	Therapeutic Group Activities 2 Lab	2
OTA 222	Clinical Seminar 2	1
OTA 224	Therapeutic Adaptations	2
OTA 226	Therapeutic Adaptations Lab	3
OTA 228	Pre-Fieldwork Experience Seminar	2

Sixth Quarter

# OTA 240	Fieldwork Experience Seminar 1	1
*#OTA 245	Co-op Fieldwork Experience 1	11

Seventh Quarter

# OTA 241	Fieldwork Experience Seminar 2	1
*#OTA 246	Co-op Fieldwork Experience 2	11

Required Supporting Courses

AP 103 and	Essentials of Human Anatomy-Physiology and	
AP 104 or	Essentials of Human Anatomy-Physiology 2 or	
BIOL& 241 and	Human Anatomy-Physiology 1 and	
BIOL& 242	Human Anatomy-Physiology 2	10
# CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101	English Composition I	5
# MATH 070 or higher	Pre-Algebra	5
PSYC& 100	Introduction to Psychology	5

Select 5 credits from the following courses:

ANTH& 206	Cultural Anthropology	5
ANTH& 235	Cross-Cultural Medicine	5
CMST 238	Intercultural Communication	5
GEOG& 200	Human Geography	5
HUMAN 133	People, Language and Culture	5
HUMAN 186	Peoples of the World	5
SOC& 101	Introduction to Sociology	5
SOC& 201	Social Problems	5
SOC 205	Sociology of Disability	5

Electives: (Instructor's permission required)

OTA 194	Special Topics – OTA	1-2
OTA 198	Independent Study – OTA	1

Satisfies related instruction requirements.

* Clinical hours off campus during the day hours required.

Note: OTA students must earn a minimum grade of 2.0 in all required classes**Practical Nursing****Associate in Applied Science Degree
95 Credits**

The 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.

A multimedia system of individualized instruction, offering stated objectives with a wide range of learning experiences to accomplish each objective is provided.

The Practical Nursing program is a 95 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 high school diploma or GED is required, and a physical exam is required after entrance into the core program. A minimum grade of **2.5** or higher is required in each nursing and supporting course. Evidence of academic proficiency is established by completion of each of the following prerequisite requirements with a 2.5 grade or higher.

The following courses are required **prior** to applying into the Practical Nursing program:

- BIOL& 241 **and** BIOL& 242 (10 credits);
- Completion of MATH& 107 or higher (not Technical Math)
- PSYC& 200, Lifespan Psychology (5 credits)
- NUTR& 101, Nutrition (5 credits)
- Communication Studies (5 credits). Choose from CMST& 210, &220, **or** &230
- English Composition I (5 credits). Choose from ENGL& 101, 126, 127, **or** 128.

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 insurance. For additional information about a required nursing orientation and the application procedure, contact the Health Science curriculum advisor in Career and Advising Center, at ext. 2639.

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 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 Washington State Nursing Care Quality Assurance Commission and the Northwest Association of Schools and Colleges.

Contacts: Susan Baker, ext. 4589 – sbaker@greenriver.edu
Lauren Cline, ext. 4217 – lcline@greenriver.edu

Information Session Sign up: greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
Fall Quarter		
NURSE 101	Introduction to Computers in Nursing	1
NURSE 104	Nursing 1 Fundamentals	6
NURSE 105	Community Lab 1	4
#NURSE 116	Nursing Issues and Delivery Systems	3
Winter Quarter		
NURSE 106	Nursing 2	8
NURSE 107	Nursing 2 Community Lab 2	8
Spring Quarter		
NURSE 109	Nursing 3 Community Lab 3	8
NURSE 110	Nursing 3	8
NURSE 114	Principles and Practice of Intravenous Therapy	2
Summer Quarter		
#NURSE 112	Nursing 4	6
NURSE 113	Nursing 4 Community Lab 4	6
Curriculum Requirements:		
<i>Students must have a grade of 2.5 or higher in the following prerequisites/supporting courses:</i>		
BIOL& 241 and 242	Human Anatomy-Physiology 1 and 2	10
# CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# MATH& 107 or higher	Math in Society or higher (Not Technical Math)	5
NUTR& 101	Nutrition	5
PSYC& 200	Lifespan Psychology	5

Satisfies related instruction requirements.

Nurse Assistant Certificate Program

Certificate
12 Credits

This certificate program prepares graduates to develop concepts and knowledge necessary to provide entry level nurse assistant care.

Students in this certificate program must possess the following prior to enrollment in the program:

- 18 years of age
- DSHS Background Check
- Washington State Patrol clearance check
- Nelson Denny 8th Grade Reading level (or enroll in I-BEST option if available)
- Hepatitis B series plus titer
- Current Tuberculosis Test (TB): 2 step method, 2 different injections, 2–3 weeks apart
- MMR series or immunity by titer
- Varicella series or immunity by titer
- Flu vaccination for current season
- Tdap within the last ten years
- Uniform, gait belt, dictionary, watch with second hand, white shoes, blood pressure cuff, and stethoscope

(For the complete details, please refer to the NA-C Application.)

Students must earn a grade of 2.0 or higher in each class in the program to earn the certificate.

Contact: Career and Advising Center
Information Session Sign Up:
greenriver.edu/info-sessions
(253) 833-9111, ext. 2642
beadvised@greenriver.edu

Dept./No.	Course Title	Credits
NRS A 110	Nurse Assistant Theory	6
NRS A 111	Nurse Assistant Skill	4
NURSE 127	Aids/CPR Safety/Inspection Control	2

Phlebotomy Technician

Certificate of Proficiency
10-12 Credits

This certificate program prepares students to work as a member of the health care team as a phlebotomist in the clinical/lab setting. Course content includes the phlebotomy history, laboratory setting / personnel, legal and ethical concerns, infection control standards and preventive steps, CPR/First Aid, circulatory system, anatomy and physiology, medical terminology, proper body mechanics, various blood drawing techniques, safety aspects of phlebotomy, complications of phlebotomy, handling of non-blood specimens and OSHA safety standards.

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
- Must take appropriate placement before entering program or being placed on the pre-registration list.
- Must have high school diploma or high school equivalency certificate
- Communication involving patient care in the clinical setting is critical to patient safety. All students shall be fluent in the English language, including verbal and written language.
- Students must complete and pass a Nationwide criminal background check within 3 months prior to admission into the program at certifiedbackground.com
- Students must meet vaccination and program specific health requirements in compliance with the Centers for Disease Control Healthcare Provider immunization guidelines, including the submission of original lab results, x-ray reports and immunization records which are dated and signed by their healthcare provider.
- Health insurance, both injury and sickness is required for participation in the program
- Current (within one year) evaluation by a physician or nurse practitioner to ensure student and patient safety. The evaluation should address the following areas in respect to the student's ability to perform the laboratory skills and clinical responsibilities related to becoming a Phlebotomy Technician:
- Ability to stand for long periods.

Contact: Career and Advising Center, ext. 2641

Dept./No.	Course Title	Credits
PHLEB 101	Fundamentals of Phlebotomy	5
PHLEB 102	Phlebotomy Laboratory Skills	2
PHLEB 103	Phlebotomy Technician Practicum	3
NURSE 127	Aids/CPR Safety/Inspection Control or 7 hours of HIV, CPR, HIPPA and privacy training*	0-2

* **Training must be completed through the American Heart Association. Students must provide proof of completion from the American Heart Association.**

Physical Therapist Assistant

Associate in Applied Science Degree
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 class of 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 at www.greenriver.edu/infosessions.

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 104. BIOL& 241 (AP I) and BIOL& 242 (AP II) also meet this prerequisite.

These courses should be completed within 7 years prior to applying to the program and completed at the same institution. Please be advised that AP 103 and AP 104 may not transfer as well to another institution.

- Communication Studies

The courses meeting this requirement at GRC include: CMST 100, CMST& 210, CMST& 220, CMST& 230 or CMST 238. Equivalent communication/speech courses with less than 5 quarter credits should be verified with the pre-PTA program advisor.

- English Composition I

This requirement may be completed by taking either English Composition I (ENGL& 101 or equivalent transferable course).

- Math

Any college-level MATH course (most math courses numbered 100 or higher).

The required supporting course is as follows:

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.

The PTA program complies with the "Child/Adult Abuse Information Act," RCW 43.43.830 through 43.43.840. Authorization for background check is required of each applicant. Some convictions may disqualify students from clinical placements and therefore program completion and licensure. Some clinics require additional background checks and drug testing. Individuals whose background checks identify a record of convictions will be required to meet with a faculty member to discuss the findings prior to admission into the program.

Contact: Donette Parry, ext. 4489 – dparry@greenriver.edu
Information Session Sign up: greenriver.edu/info-sessions

88 Programs of Study

Dept./No.	Course Title	Credits
FIRST YEAR		
Fall Quarter		
H SCI 102	Applied Anatomy	3
H SCI 162	Applied Anatomy Lab	2
PTA 101	Introduction to Physical Therapy	3
PTA 105	Patient Care Skills	3
PTA 151	Clinical Preparation	1
Winter Quarter		
# PTA 102	Therapeutic Interaction in Health Care	2
PTA 110	Principles of Physical Therapy Agents 1	2
PTA 160	Principles of Physical Therapy Agents 1 Lab	3
PTA 114	Tests and Measurements	2
PTA 130	Survey of Pathophysiology 1	3
Spring Quarter		
H SCI 101	Neuroscience	2
H SCI 161	Neuroscience Lab	1
PTA 111	Principles of Physical Therapy Agents 2	3
PTA 161	Principles of Physical Therapy Agents 2 Lab	3
PTA 113	Posture and Movement	1
PTA 163	Posture and Movement Lab	3
PTA 131	Survey of Pathophysiology 2	2
SECOND YEAR		
Fall Quarter		
PTA 201	Current Trends and Professionalism in Healthcare	3
PTA 205	Functional Training	2
PTA 210	Therapeutic Exercise	2
PTA 260	Therapeutic Exercise Lab	3
PTA 212	Acute Care	2
PTA 262	Acute Care Lab	1
# PTA 251	Clinical Education 1	1
PTA 277	Clinical Affiliation 1	1
Winter Quarter		
PTA 211	Advanced Rehabilitation Procedures	3
PTA 261	Advanced Rehabilitation Procedures Lab	3
PTA 213	Orthopedic Therapy	3
PTA 263	Orthopedic Therapy Lab	2
# PTA 252	Clinical Education 2	1
PTA 278	Clinical Affiliation 2	2
Spring Quarter		
# PTA 253	Clinical Education 3	1
PTA 279	Clinical Affiliation 3	6
PTA 280	Clinical Affiliation 4	7
Required Supporting Course/Prerequisites		
* AP 103 and	Essentials of Human Anatomy-Physiology 1 and	
AP 104 or	Essentials of Human Anatomy-Physiology 2 or	
BIOL& 241 and	Human Anatomy-Physiology 1 and	
BIOL& 242	Human Anatomy-Physiology 2	10
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230 or	Small Group Communication or	
CMST 238	Intercultural Communication	5
# ENGL& 101	English Composition I	5
# MATH	Any college-level MATH class 100 or higher	5
<i># Satisfies related instruction requirements.</i>		
<i>* Central Washington University courses (EXSCI 350, EXSCI 350Lab, EXSCI 351 and EXSCI 351Lab) and Washington State University courses (KINES/MVTST 262 and KINES/MVTST 380) meet the AP 103 and AP 104 PTA degree requirement at GRC.</i>		

Professional Pilot

Associate in Applied Science Degree

93 Credits

The Professional Pilot Degree program prepares students for entry level jobs as commercial pilots in the aviation industry. *Students must have received their private pilot's license before they begin the Green River College Professional Pilot Degree program and prior to taking any flight classes.* Flight programs require a commitment from students. Gaps in training should be avoided at all costs. Students should plan on flying at least twice per week. The academic schedule can be found at www.greenriver.edu. Students must possess a valid 2nd class medical (1st class preferred for students pursuing an ATP certificate) certificate before beginning the degree. These medical certificates are issued by Federal Aviation Administration designated medical examiners. In addition all students must meet the requirements of the FAA under CFR Title 14, Part 61.123.

The student will be responsible for attending the scheduled flight lesson. Any missed appointments will be handled individually per the flight schools policies. Students who fail a flight course due to poor attendance will not be allowed to retake the course. Any cancellations beyond the control of the student and flight school (i.e. weather, aircraft mechanical problems) will be discussed with Green River's faculty to determine if any violation of policies has occurred.

If a student is unable to complete the class within the academic schedule for the registered quarter as shown in the published class schedule, the student must bring this problem to the attention of the flight school staff and Green River's faculty, as this may affect future funding for subsequent classes. If student is found not progressing at a normal rate, a meeting between the flight school instructor and Green River's faculty will occur to determine the cause of the problem and possible solution. Student will be expected to address any possible problems regarding flight training with Green River's faculty as soon as possible. Cancellations must be made in advance of the scheduled time. Students will make every effort to cancel flight and ground lessons per the respective flight school's policy. No-shows will result in the aircraft and/or flight instructor being released 15 minutes into the scheduled time. The student will be responsible for the cost of the lesson scheduled.

The student will have to complete the class within the academic schedule for the quarter in which the student registers. The student must complete this class satisfactorily before he/she can sign up subsequent flight classes in the degree program. Each flight class can be failed once, in the event the student fails two flight classes resulting in two "Fs," he/she will no longer be allowed to continue in the flight program.

In the case where a student gets an "I," the "incomplete" can only be carried over for thirty days, after which if the course requirements are not completed, the "incomplete" will become an "F". Per the Veterans Benefits Administration, an "incomplete" is only given in the case of weather and mechanical cancellations. Incompletes may also be given for extreme circumstances, other than weather and mechanicals, and may be considered on a case by case basis. Final grades for the flight class will be based on the individual class grading policies stated in the class syllabus.

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu
 Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
 Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 216	Basic Instrument Flight Simulations	2
A SIM 218	Commercial Pilot Flight Simulations	1
AVIA 103	Aviation History and Careers	5
AVIA 110	Airline Operation	5
AVIA 112	Aircraft Systems	5
AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 218	Commercial Pilot Ground School	5
AVIA 265	Airline Dispatch	10
AVIA 267	International Flight Planning and ETOPS	5
# AVIA 270 or	Air Traffic Control Fundamentals or	
AVIA 281 or	Air Traffic Control 1 or	
AVIA 282	Air Traffic Control 2	5
# CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
# MATH	Any 100-level MATH or higher	5
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Students choose 10 credits from the following list for the Fixed Wing Pilot Option:

FLT 211	Instrument Pilot Flight 1	2
FLT 212	Instrument Pilot Flight 2	2
FLT 213	Instrument Pilot Flight 3	1
FLT 231	Commercial Pilot Flight 1	2
FLT 232	Commercial Pilot Flight 2	2
FLT 233	Commercial Pilot Flight 3	1

Satisfies related instruction requirements.

Unmanned Aerial Systems
Associate in Applied Science Degree
90 Credits

This degree will introduce students to the world of unmanned aerial systems (UAS) and will allow them to learn about the regulatory environment, licensing issues, operational requirements, and commercial uses of unmanned aerial vehicles (UAV). The degree will also instruct students in basic and advanced flying skills with emphasis in photography, surveying, and inspections. Additionally, the program will instruct in component integration and UAS building.

Contacts: George Comollo, ext. 4336 – gcomollo@greenriver.edu
Jerry Wolfe, ext. 4339 – jwolfe@greenriver.edu
Ben Coats, ext. 4337 – bcoats@greenriver.edu

Dept./No.	Course Title	Credits
AVIA 103	Aviation History and Careers	5
AVIA 107	Drones Operations	2
AVIA 109	Introduction to Unmanned Aerial Systems	5
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 129	Unmanned Aerial Vehicle Basics	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors	5
# AVIA 270	Air Traffic Control Fundamentals	5
# CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101 or	English Composition I or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
Humanities	Any Humanities course 100 level or higher	5
# MATH 106 or	Essentials of Pre-Calculus Math or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Electives: Select 23 credits from the following list of courses below to total 90 credits:

Any AVIA or A SIM, BUS, Computer / IT courses.

D T 116	Introduction to 3D Printing	(2)
D T 117	Modeling for 3D Printing	(4)

Satisfies related instruction requirements.

Unmanned Aerial Systems (UAS) Basic Operator
Certificate of Proficiency
12 Credits

This certificate will provide the student with all the basic required knowledge to become a UAS/UAV operator as required by the Federal Aviation Administration.

Contact: George Comollo, ext. 4336 – gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
AVIA 107	Drone Operations	2
AVIA 111	Private Pilot Ground School	5
AVIA 229	Unmanned Aerial Vehicle Basics	5

Wastewater Technology
Associate in Applied Science Degree
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 Municipal Wastewater Treatment Technology Certificate of Proficiency, which should generally be completed first.

Dept./No.	Course Title	Credits
# BUS 166	Human Relations and Work Readiness	5
BIOL& 100 or	Survey of Biology or	
ENV S 204	Natural Science and the Environment	5
BTAC 100 or	Fundamentals of Computers or	
BTAC 112 or	Beginning Word or	
BTAC 118 or	Basics for Online Education or	
BTAC 150 or	Introduction to Windows or	
BTAC 184	Internet and Basic Web Design	5
CHEM& 161	General Chemistry with Lab I	6
CHEM& 162	General Chemistry with Lab II	6
# CMST 100 or	Fund of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST 230	Small Group Communication	5
# ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science, Engineering and Business	5
# MATH& 141 or	PreCalculus I or	
MATH& 107	Math in Society	5
WTECH 181	Water Hydraulics	3
WTECH 182	Pumps and Pumping Systems	3
WTECH 183	Utility Worker Safety	3
WTECH 184	Disinfection and Chemical Feed Systems	3
WTECH 187	Drawings and Manuals	3
WTECH 188	Water and Wastewater Electrical	3
WTECH 191	Pre-Employment Seminar	3
WWT 177	Water Cooperative Education	11
WWT 180	Water Collection	3
WWT 185	Municipal Wastewater Treatment 1	3
WWT 186	Municipal Wastewater Treatment 2	3
WWT 188	Wastewater Laboratory	2

Satisfies related instruction requirement.

Municipal Wastewater Treatment Technology
Certificate of Proficiency
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.

Dept./No.	Course Title	Credits
BTAC100 or	Fundamentals of Computers or	
BTAC112 or	Beginning Word or	
BTAC118 or	Basics for Online Education or	
BTAC150 or	Introduction to Windows or	
BTAC184	Internet and Basic Web Design	5
* ENGL 081	Fundamentals of Written Communication	0-5
**MATH 072	Elementary Algebra	0-5
WTECH 181	Water Hydraulics	3
WTECH 182	Pumps and Pumping Systems	3
WTECH 183	Utility Worker Safety	3
WTECH 184	Disinfection and Chemical Feed Systems	3
WTECH 187	Drawings and Manuals	3
WTECH 188	Water and Wastewater Electrical	3
WWT 185	Municipal Water Treatment 1	3
WWT 186	Municipal Water Treatment 2	3
WWT 188	Wastewater Laboratory	2

* Not required if eligible for ENGL 099 or above.

** Not required if eligible for MATH 097 or higher.

Water Supply Technology

Associate in Applied Science Degree
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.

Dept./No.	Course Title	Credits
# BUS 166	Human Relations and Work Readiness	5
BIOL& 100 or	Survey of Biology or	
GEOL& 101	Introduction to Physical Geology	5
BTAC 100 or	Fundamentals of Computers or	
BTAC 112 or	Beginning Word or	
BTAC 118 or	Basics for Online Education or	
BTAC 150 or	Introduction to Windows or	
BTAC 184	Internet and Basic Web Design	5
CHEM& 161	General Chemistry with Lab I	6
CHEM& 162	General Chemistry with Lab II	6
# CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
# ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science, Engineering and Business	5
# MATH& 141 or	PreCalculus I or	
MATH& 107	Math in Society	5
WTECH 181	Water Hydraulics	3
WTECH 182	Pumps and Pumping Systems	3
WTECH 183	Utility Worker Safety	3
WTECH 184	Disinfection and Chemical Feed Systems	3
WTECH 187	Drawings and Manuals	3
WTECH 188	Water and Wastewater Electrical	3
WTECH 191	Pre-Employment Seminar	3
WST 177	Water Cooperative Education	8
WST 180	Water Distribution	3
WST 183	Water Sources	1
WST 184	Water Regulations	2
WST 185	Water Treatment 1	3
WST 186	Water Treatment 2	3
WST 188	Water Laboratory	2

Satisfies related instruction requirement.

Water Distribution Technology

Certificate of Proficiency
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.

Dept./No.	Course Title	Credits
BTAC 100 or	Fundamentals of Computers or	
BTAC 112 or	Beginning Word or	
BTAC 118 or	Basics for Online Education or	
BTAC 150 or	Introduction to Windows or	
BTAC 184	Internet and Basic Web Design	5
* ENGL 081	Fundamentals of Written Communication	0-5
** MATH 072	Elementary Algebra	0-5
WTECH 181	Water Hydraulics	3
WTECH 182	Pumps and Pumping Systems	3
WTECH 183	Utility Worker Safety	3
WTECH 184	Disinfection and Chemical Feed Systems	3
WTECH 187	Drawings and Manuals	3
WTECH 188	Water and Wastewater Electrical	3
WST 180	Water Distribution	3
WST 183	Water Sources	1
WST 184	Water Regulations	2
WST 188	Water Laboratory	2

* Not required if eligible for ENGL 099 or higher.

** Not required if eligible for MATH 097 or higher.

Welding Technology

Associate in Applied Science Degree

100-105 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, ext. 4421 – sschreiber@greenriver.edu
 Jack Danielson, ext. 4252 – jdanielson@greenriver.edu
 Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
First Year		
# ACOMP 101 or	Computation for the Trades or Eligible for MATH 070, Pre-Algebra or Completion of MATH 062, Review of Arithmetic	0-5
# CMST 100	Fundamentals of Oral Communication	5
# ENGL 109	Writing for Trades and Professional/Technical Degrees	5
WELD 141	Basic Arc Welding and Flame	13
WELD 142	Intermediate Arc Welding	13
WELD 143	Advanced Arc Welding	13
Second Year		
# Human Relations	Any course that satisfies the Human Relations-Related Instruction Requirements	5
I E 189	Basic Metallurgy	4
WELD 107	Basic Blueprint Reading	3
WELD 194	Special Welding Project 1	13
WELD 195	Special Welding Project 2	13
WELD 196	Special Welding Project 3	13

Satisfies related instruction requirements. For scheduling or transferability reasons, other courses from the current list of Related Instruction Requirements may be substituted.

Note: Student must possess a valid first aid card or similar Washington State L&I Training Card upon exiting the program.

Basic Arc and Flame

Certificate of Proficiency

26 Credits

Contacts: Scott Schreiber, ext. 4421 – sschreiber@greenriver.edu
 Jack Danielson, ext. 4252 – jdanielson@greenriver.edu
 Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
WELD 141	Basic Arc and Flame	13
WELD 142	Intermediate Welding	13

Intermediate Arc and Flame

Certificate of Proficiency

26 Credits

Contacts: Scott Schreiber, ext. 4421 – sschreiber@greenriver.edu
 Jack Danielson, ext. 4252 – jdanielson@greenriver.edu
 Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
WELD 142	Intermediate Welding	13
WELD 143	Advanced Arc Welding	13

Advanced Arc Welding

Certificate of Proficiency

26 Credits

Contacts: Scott Schreiber, ext. 4421 – sschreiber@greenriver.edu
 Jack Danielson, ext. 4252 – jdanielson@greenriver.edu
 Paul Mueller, ext. 2635 – pmueller@greenriver.edu

Dept./No.	Course Title	Credits
WELD 194	Special Welding Projects 1	13
WELD 195	Special Welding Projects 2	13

OTHER LEARNING OPTIONS

ASSOCIATE DEVELOPMENT DEGREE

The Associate Development degree allows students to explore different subject areas as they prepare for a career. The flexibility of the degree allows students to customize course requirements to fit their professional goals while simultaneously ensuring competence in core learning outcome areas. The degree is not intended for students planning to transfer to a university.

Associate Development Degree Requirements:

1. Complete a minimum of 90 credits in the courses offered at GRCC. Basic Education (BASIC), English for Speakers of Other Languages (ESOL), and courses designated as High School Diploma only do not count toward the required 90 credits.
2. Earn a minimum GPA of 2.0.
3. Complete a minimum of 24 credits at Green River. Online courses are recognized as part of the 24 credits.
4. Remember that no more than 25 percent of the credits may be earned on a pass/no-credit basis.
5. Consider that the credits identified in each of the following options are counted as part of the 90 credits required for the degree. Students must complete one of the options:

Option 1: Complete a Green River certificate program of 45 credits or more.

Option 2: Complete the following:

- A Green River certificate program of 25 credits or more with one course satisfying the written or oral communication requirement of any degree or program at Green River,
- One course satisfying the quantitative skills and symbolic reasoning or computation requirement of any degree or program at Green River, and
- One course satisfying the human relations requirement of any degree or program at Green River.

Option 3: Meet with a faculty advisor and custom design a program of study. The program of study must include the following:

- a) Twenty-five credits or more in courses which specifically prepare a student for employment in an identified specialty area. Courses may be from academic, as well as professional/technical areas,
- b) one course satisfying the quantitative and symbolic reasoning or computation requirement of any degree or program at Green River,
- c) one course satisfying the written or oral communication requirement of any degree or program at Green River, and
- d) one course satisfying the human relations requirement of any degree or program at Green River learning outcomes aligned with identified specialty area and selected courses.

Understand that the program of study must be signed by the advisor and the student. The plan becomes a permanent part of the student's record.

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 age 16 to 21 may earn a diploma at Green River through a partnership with the Kent School District, iGrad 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 age 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

1. **Completing a minimum number of credits** in core content areas (See chart on the following page to see which Green River classes meet the high school course requirements).
2. **Complete a High School and Beyond Plan**
3. **Pass state tests or approved alternatives to those tests.** These tests include the HSPE (High School Proficiency Exam) 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) and math. Starting with the graduating class of 2015, students will also be required to take biology EOC. If a student previously passed the WASL or the HSPE, they do not need to take another exit exam.

Green River is not a HSPE or an EOC 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 HSPE 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 HSPE first before accessing CAA Option alternative tests.

Transfer students from out of state or out of country (*who transfer in during their junior or senior year*) may use their previous state's high school exit exam, or the exam used to meet federal "No Child Left Behind" testing requirements instead of the WASL. 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.

High School Proficiency Exams (HSPEs): HSPEs are comprehensive exams that measure the basic proficiency of high school students in reading and writing, and serve as the state's exit exams in those subjects.

End-of-Course Exams (EOC's): measure the knowledge of students in algebra 1/ integrated math 1, geometry/integrated math 2 and biology. These exams are the state's exit exams for math and science.

ELA Exit Exams and Math EOC Exit Exams: Based on the [Common Core State Standards](#), the state will administer new English language arts (ELA) exit exams and math EOC exit exams to align with the new standards beginning in the 2014-15 school year.

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 HSPE.

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

Graduation Assessment Requirement	SAT with Essay (March 2016 or later)	ACT with Writing
Mathematics	430	16
English Language Arts	410	14
Science (biology)	N/A	16

Graduation Assessment Requirement	OLD SAT (prior to March 2016)	SAT with Essay (March 2016 or later)	ACT with Writing
Mathematics	390	430	16
Reading	350	19	13
Writing	380	22	15*
Science (Biology)	N/A	N/A	16

Updated 1/13/2017: For the remainder of 2016-2017 school year, students from the Class of 2017 and earlier may apply the existing SAT ELA score of 410, established in August 2016, to fulfill the ELA assessment requirement.

**To satisfy the requirement for Writing, the student must take the ACT plus Writing.*

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; and one of: English Literature and Composition Macroeconomics Microeconomics Psychology United States History World History United States Government and Politics 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
Reading	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	English Language and Composition	
Science	Biology, Chemistry, Physics or Environmental Science	Biology, Chemistry or Physics

If the student did not pass the math WASL/HSPE or a CAA Options alternative assessment, they will need additional math credits, as outlined below:

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 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.

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*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 084, 094, 104; or ENGL &101, &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, &220, &226, &227, &228, &244, &245, &246, 247, 248, 249, &254, &255, &256, 257; HSC 033; IBEST 037, 038, 047, 048, 057, 058, 067, 068, 095, 096; IGRAD 065, 066, 075, 076, 085, 086; TS 075, 076 TS 065, 066, 085, 086 Writing: ENGL 081 or 099, &101, 126, 127, 128, 109, &235, &236, &237, 239 Communication Studies: CMST 100 or higher	15-20*
Math	2-3*	MATH 062, 070, 072 with 5 of those credits at MATH 072 or higher; IBEST 047, 048, 057, 058, 067, 068; IGRAD 055, 056; TS 055, 056; 057, 095, 096; CARP& 113, 114, 115	10-15*
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 103, 104; ASTR& 101; BIOL 103, 110, or &100, &160; CHEM &121, &131, &141; ECED& 120; GEOL &101, 107; IBEST 067, 068; IDS 101, 102, 103; IGRAD 085, 086; NURSE 127, NRS A 110; 111; OCEA &101; PHYS &110, &114, &115, &116; or TS 045, 046, 085, 086; 087, 088, 095, 096	10
U.S. History	1	Select 5-8 credits from the following: HIST 021 (4 credits) and/or HIST 022 (4 credits) or HIST 135, &136, &137, 220 (5 credits each); IGRAD 065, 066; TS 065, 066, 095, 096	5
Civics and Government	0.5	Select 5 credits from the following: HSC 025 (5 credits); TS 025; or POLS& 202 (5 credits); TS 095, 096	3
Washington State History **	0.5	Select 5 credits from the following: ANTH& 210, 211, &216, HIST 024 or HIST& 214; TS 024, 095, 096	3
Social Studies **	0.5	AMES 100, 150; ANTH &100, &206, &234, &235; ECON 100, 194; GEOG& 100; GEOG 123, &200, 201; or 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	3
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; DRAMA; 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.



EXPLORE THE DETAILS

COURSE
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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, course title, number of credits awarded, prerequisite 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.

Consult the "Program of Study" section of this catalog and your faculty advisor for specific information about each class and about which classes will meet your requirements.

Course descriptions are also available online at <http://grcc.greenriver.edu/course-descriptions/>

ACCOUNTING (ACCT)

ACCT 110 Practical Financial Accounting 1 (5)

Elementary course covering the complete accounting cycle for service and merchandising businesses, as well as the basic functions of analyzing, classifying, recording, and summarizing accounting data. Topics may include journals, ledgers, worksheets, adjusting entries and financial statement preparation, receivables, payables and banking procedures. Includes a computerized general ledger application. *PREREQUISITE:* Eligible for READ 104 or instructor's permission.

ACCT 111 Practical Financial Accounting 2 (5)

A continuation of ACCT 110 with an emphasis on generally-accepted accounting principles. Topics may include payroll, special journals, receivables, payables, bad debts, notes and inventories. Includes computerized accounting applications. *PREREQUISITE:* ACCT 110 with a grade of 2.0 or higher; or instructor's permission.

ACCT 112 QuickBooks for Accounting (5)

The capstone financial accounting course for the accounting certificate. Provides hands-on experience in computerized, integrated accounting systems. Covers accounts receivable, accounts payable, payroll, inventory and job costs. *PREREQUISITE:* ACCT 110 or ACCT& 201; and BTAC 100 with a grade of 2.0 or higher; or instructor's permission.

ACCT 113 Practical Accounting (5)

A continuation of ACCT 111. The last in the financial accounting series for the Associate in Applied Arts in Accounting. 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. *PREREQUISITE:* ACCT 111 with a grade of 2.0 or higher; and B A 145; or instructor's permission.

ACCT 118 Individual Taxation (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. *PREREQUISITE:* ACCT 111 or ACCT& 201 with a grade of 2.0 or higher; or instructor's permission.

ACCT 121 Payroll Accounting (5)

Introduces payroll calculations, payroll taxes, and record and report preparation. Includes a manual payroll project and computerized payroll accounting applications. *PREREQUISITE:* ACCT 110 or ACCT& 201 with a grade of 2.0 or higher.

ACCT 175 Accounting Instructor Aide (1-5)

Students assist the instructor. Aides work with other students in accounting classes, answering their questions, and doing tutorial-type work. *PREREQUISITE:* Instructor's permission.

ACCT& 201 Principles of Accounting I (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. *PREREQUISITE:* Eligible for ENGL& 101 and MATH& 147; or instructor's permission.

ACCT& 202 Principles of Accounting II (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. *PREREQUISITE:* Eligible for ENGL& 101, and MATH 147; and ACCT& 201, all with a grade of 2.0 or higher; or instructor's permission. *RECOMMEND:* BUS& 101 and computer spreadsheet skills.

ACCT& 203 Principles of Accounting III (5)

The third course in the accounting transfer sequence. Covers introductory concepts of managerial accounting. Topics include absorption and variable costing, job costing, cash and capital budgeting. Includes computer application. *PREREQUISITE:* Eligible for ENGL& 101, MATH 147 and ACCT& 202, all with a grade of 2.0 or higher; or instructor's permission. *RECOMMEND:* ECON& 202 and MATH 147 prior to enrolling in this course and computer spreadsheet skills.

AEROSPACE AND ADVANCED MANUFACTURING (AAM)

AAM 101 Principles of Precision Machining 1 (13)

Covers conventional machining, basic blueprint reading and math, health and safety, and introduction to Computer Numerical Control (CNC) machining. Coursework is divided between lab assignments, lecture and reading/workbook assignments. 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. *PREREQUISITE:* Instructor's permission.

AAM 102 Principles of Precision Machining 2 (13)

Covers advanced blueprint reading skills including understanding of Geometric Dimensioning and Tolerancing (GD&T), applied math skills including geometry and trigonometry, CNC machine programming and operation. Coursework is divided between lab assignments, lecture and reading/workbook assignments. Student spends a significant portion of the lab time dedicated to conventional mills and lathes. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Instructor's permission.

AAM 103 Machine Maintenance 1 (13)

Covers industry and workplace safety awareness and practices in-depth. Prepares the entry level machine maintenance technician with the knowledge and skills necessary to maintain, diagnose, and repair elementary hydraulic and pneumatic systems. Introduces students to the fundamental mechanical concepts necessary for the installation, operation, and maintenance of industrial machinery. Students acquire the skills to design and interpret industrial prints and component schematics. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104; or instructor's permission.

**AAM 104
Machine Maintenance 2 (13)**

Covers techniques of assembling, rigging, and installing mechanical equipment. Students learn to work with mechanical transmission devices, including procedures for installation, removal, and maintenance. Upon completion students will have an understanding of preventive, predictive, corrective, and reliability-centered maintenance. Students study the development of a comprehensive maintenance program and learn how to use a computerized maintenance management system. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104; or instructor's permission.

**AAM 105
Quality Assurance 1 (7)**

Helps student to select, set-up and inspect machine parts, based on specifications and tolerancing standards. Students learn to read and interpret GD&T information along with standard tolerances. Students practice set-up, record measurements, and determine discrepancies in Co-Ordinate Measuring Machines (CMM). Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104; or instructor's permission.

**AAM 106
Quality Assurance 2 (7)**

Prepares the students for the knowledge and skills required to effectively write instructions or "tie-ins". Topics include operation of mechanical lifts, knowledge of the different fasteners and allowable substitutions, use of computer for data search and input, and understanding of statistical process controls. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

**AAM 107
Inspection 1 (7)**

Prepares the students to read and interpret drawings for the inspection segment of the manufacturing industry. Includes drawing symbols, thread nomenclature, and dimension conversion: metric to inch and inch to metric, notes and title blocks, and dimensioning systems. Students get an understanding of assembly and manufacturing processes and safe working practices and emergency procedures. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

**AAM 108
Inspection 2 (7)**

Helps the student to select and set-up and inspect machine parts, based on specifications and tolerancing standards. Students learn to read and interpret GD&T information along with standard tolerances. Students practice set up, record measurements and determines discrepancies with Co-ordinate Measuring Machines (CMM). Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

**AAM 111
Print Reading for Inspection (4)**

Read and interpret drawings for the inspection segment of the manufacturing industry. Includes drawing symbols, thread nomenclature, and dimension conversion: metric to inch and inch to metric, notes and title blocks, and dimensioning system. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

**AAM 112
Inspection Measuring Basics (3)**

Assembly and manufacturing processes and safe working practices and emergency procedures. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

**AAM 113
Geometric Dimensioning and Tolerancing for Quality Inspection (4)**

Students select, set up and inspect machine parts, based on specifications and tolerancing standards. Students learn to read and interpret Geometric Dimensioning and Tolerancing (GD&T) information along with standard tolerances. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

**AAM 114
Computerized Measuring for Inspection (3)**

Students select, set up and inspect machine parts, based on specifications and tolerancing standards. Students learn to read and interpret Geometric Dimensioning and Tolerancing (GD&T) information along with standard tolerances. *PREREQUISITE:* Eligible for ENGL 081, MATH 072 and READ 104.

AMERICAN MINORITY AND ETHNIC STUDIES (AMES)**AMES 100
Introduction to American Minority and Ethnic Studies (5)**

Social and historical overview of the interrelationships between Native American, African American, Latino and Asian Americans in the United States. Focuses on relations with each other and with the dominant society. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a social science and the diversity course requirements for AA-DTA degree.

**AMES 103
Intersections of Race, Gender, Class and Sexuality (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a social science and the diversity course requirements for AA-DTA degree.

**AMES 105
Social Inequality and Change in American Sports (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, 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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

**AMES 150
Race and Ethnicity in the Pacific (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, economical, political and social connections of Native American, African American, Latino/a, and Asian American/Pacific Islander with each other and with the dominant society. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

**AMES 194
Special Topics-American Minority and Ethnic Studies (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

**AMES 211
Nuu-Chah-Nulth Indians (5)**

Examines the Nuu-Chah-Nulth peoples of the Northwest Coast, as they are known from historical, ethnographic and informant sources. A field course in conjunction with the Clayoquot Sound Summer Program. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Cross-listed with ANTH 211 and S SCI 211. Satisfies a social science requirement for AA-DTA degree.

**AMES 214
Sociology of Race and Ethnicity (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Cross-listed with SOC 214. Satisfies a social science and the diversity course requirements for AA-DTA degree.

AMES 299**Independent Study-American Minority and Ethnic Studies (1-5)**

Allows and encourages a student to study independently in an area of their special interests in American and ethnic minority studies. Student and instructor decide course content, type and scope of work. *PREREQUISITE:* AMES 100 and instructor's permission.

ANTHROPOLOGY (ANTH)**ANTH& 100****Survey of Anthropology (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. *PREREQUISITE:* Eligible for ENGL 099; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH& 104**World Prehistory (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH 108**Food, Drink and Culture (5)**

Food and drink are essential components to human survival and as such the center of a myriad of human activities throughout human history. 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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH 194**Special Topics-Anthropology 1 (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. *PREREQUISITE:* Eligible for ENGL 099; or instructor's permission.

ANTH& 204**Archaeology (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH& 205**Biological Anthropology (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. *PREREQUISITE:* ANTH& 100, BIOL& 100, or BIOL& 211; or instructor's permission. Eligible for ENGL& 101 or instructor's permission. Satisfies a natural science or social science requirement for AA-DTA degree.

ANTH& 206**Cultural Anthropology (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

ANTH& 207**Linguistic Anthropology (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH& 210**Indians of North America (5)**

Study of the Indians 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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

ANTH 211**Nuu-Chah-Nulth-Indians (5)**

Covers the historical, ethnographic and informant sources of the Nuu-Chah-Nulth peoples of the Northwest Coast. A field course in conjunction with the Clayoquot Sound Summer Program. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Cross-listed with AMES 211 and S SCI 211. Satisfies a social science requirement for AA-DTA degree.

ANTH& 216**Northwest Coast Indians (5)**

Covers the historical, ethnographic and informant sources of the Native American cultures of the Northwest Coast (a cultural area extending from southern Alaska to northern California with an internal boundary of the Cascade Mountains). *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH 220**Sex, Gender and Culture (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH& 234**Religion and Culture (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH& 235**Cross-Cultural Medicine (5)**

Uses ethnographic, informant and popular sources to study cross-cultural examination of health beliefs, care systems and healer/patient relationships. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH& 236**Forensic Anthropology (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH 273**Field Archeology (1-10)**

Provides the student with fieldwork in archaeology through experiences in site survey, excavation, recording, classifying, cataloging and reporting. *PREREQUISITE:* ANTH& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ANTH 294**Special Topics-Anthropology 2 (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. *PREREQUISITE:* Eligible for ENGL& 101; or instructor's permission.

ANTH 298**Independent Study-Anthropology 1 (1-5)**

Allows student to pursue a special interest in anthropology under the direction of an instructor. *PREREQUISITE:* Instructor's permission.

ANTH 299**Independent Study-Anthropology 2 (1-5)**

Allows student to pursue a special interest in anthropology under the direction of an instructor. *PREREQUISITE:* Instructor's permission.

ANATOMY-PHYSIOLOGY (AP)**AP 100****Survey of Human Anatomy and Physiology (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a natural science requirement for AA-DTA degree.

AP 102**Bringing Anatomy and Physiology to Life (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. *PREREQUISITE:* Eligible for ENGL& 101 or MATH 072. Satisfies a natural science requirement for AA-DTA degree.

AP 103**Essentials of Human Anatomy and Physiology 1 (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

AP 104**Essentials of Human Anatomy and Physiology 2 (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. *PREREQUISITE:* AP 103 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

AP 210**Cadaver Anatomy (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. *PREREQUISITE:* Concurrent enrollment in AP 104 or BIOL& 242; and eligible for ENGL& 101; or instructor's permission. Satisfies a natural science requirement for AA-DTA degree.

ART (ART)**ART& 100****Art Appreciation (5)**

Introduces the basic elements and principles of art and the media with which artists create. Satisfies a humanities requirement for AA-DTA degree.

ART 105**Beginning Drawing (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 an activity or a humanities requirement for AA-DTA degree.

ART 106**Intermediate Drawing (5)**

Focuses on the human form as a basis for learning about anatomy, composition, relationship of figure to environment, line, shape, value, and color. *PREREQUISITE:* ART 105 or instructor's permission. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 107**Advanced Drawing (5)**

Further explores the human form as subject matter for drawing as a means of creating a coherent visual and expressive statement. *PREREQUISITE:* ART 106 or instructor's permission. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 109**Beginning Design (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 a humanities requirement for AA-DTA degree.

ART 110**Intermediate Design and Color (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. *PREREQUISITE:* ART 109 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ART 111**Painting 1 (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 an activity or a humanities requirement for AA-DTA degree.

ART 112**Painting 2 (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. *PREREQUISITE:* ART 111. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 113**Painting 3 (5)**

Provides advanced instruction in painting using objectives taught in ART 112. Students demonstrate advanced compositional theories and painting methods. *PREREQUISITE:* ART 112. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 114**Pottery 1 (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 an activity or a humanities requirement for AA-DTA degree.

ART 115**Pottery 2 (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. *PREREQUISITE:* ART 114. Satisfies a humanities requirement for AA-DTA degree.

ART 119**3-Dimensional Design (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 an activity or a humanities requirement for AA-DTA degree.

ART 120**Introduction to Graphic Design (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. *PREREQUISITE:* ART 109 or concurrent enrollment. Satisfies a humanities requirement for AA-DTA degree.

ART 122**Visual Concepts of Web Design (5)**

Focuses on elements and principles of design as they apply to the internet, with emphasis on creating a website that is aesthetic and functional. Course evaluates past visual trends in web design as well as implement latest trends, tools and software used by today's designers in the field. *PREREQUISITE:* ART 109. *RECOMMEND:* ART 110 and/or ART 120.

ART 130**Watercolor Painting (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 an activity or a humanities requirement for AA-DTA degree.

ART 133**Portrait Drawing (3)**

Students learn to draw realistic portraits by studying proportion, anatomy, and foreshortening. Using models, students practice rendering the skull, facial features, and shoulders from a variety of perspectives. *RECOMMEND:* ART 105. Satisfies a humanities requirement for AA-DTA degree.

ART 135**Introduction to Screen Printing (3)**

Introduces the traditional and contemporary concepts and techniques of screen printing. Satisfies a humanities requirement for AA-DTA degree.

ART 150**Espl Journal Design and Publication (5)**

Introduces students to the creative process of creating a book publication. Students manage their process and partner with the ENGL 239 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.

ART 177**Art Work Experience 1 (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. *PREREQUISITE:* Instructor's permission.

ART 178**Art Work Experience 2 (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. *PREREQUISITE:* Instructor's permission.

ART 179**Art Work Experience 3 (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. *PREREQUISITE:* Instructor's permission.

ART 180**The Artist's Portfolio (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. *PREREQUISITE:* ART 105 and 109; or instructor's permission.

ART 194**Special Topics-Art (1-5)**

Study of special subject-matter that is not part of the regular art curriculum. Course content varies each time it is offered.

ART 199**Independent Study-Design (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. *PREREQUISITE:* Instructor's permission.

ART 212**History of Art 1 (5)**

Study of the development of visual art from the Prehistoric Period to the Gothic Period of Western Civilization. Satisfies a humanities requirement for AA-DTA degree.

ART 213**History of Art 2 (5)**

Study of the development of visual art from the Gothic Period to the beginning of the Romantic Period. Satisfies a humanities requirement for AA-DTA degree.

ART 214**History of Art 3 (5)**

Study of the development of visual art from the Romantic Period up to and including contemporary art. Satisfies a humanities requirement for AA-DTA degree.

ART 219**Advanced 3-Dimensional Design (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. *PREREQUISITE:* ART 109 and 119. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 251**Ceramics 1 (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. *PREREQUISITE:* ART 114 and ART 115; and ART 105 or ART 109; or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ART 252**Ceramics 2 (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. *PREREQUISITE:* ART 251 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ART 253**Ceramics 3 (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. *PREREQUISITE:* ART 252 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ART 255**Advanced Painting 1 (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. *PREREQUISITE:* ART 105, 109, 111, or instructor's permission. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 256**Advanced Painting 2 (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. *PREREQUISITE:* ART 255. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 257**Advanced Painting 3 (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. *PREREQUISITE:* ART 256. Satisfies an activity or a humanities requirement for AA-DTA degree.

ART 275**Independent Study-Ceramics 1 (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. *PREREQUISITE:* Instructor's permission.

ART 276**Independent Study-Ceramics 2 (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. *PREREQUISITE:* Instructor's permission.

ART 277**Independent Study-Ceramics 3 (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. *PREREQUISITE:* Instructor's permission.

ART 294**Independent Study-Painting 1 (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. *PREREQUISITE:* Instructor's permission.

ART 297**Independent Study-Advanced Drawing 1 (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. *PREREQUISITE:* Instructor's permission.

ASTRONOMY (ASTR)**ASTR & 100****Survey of Astronomy (5)**

Introduces the history of astronomy, star formation, life cycle and death, galactic astronomy, the beginning and evolution of the universe, solar system formation and operation, and the possibility of intelligent life elsewhere in the universe. Does not include a laboratory experience. Not open to students who have taken ASTR & 101. *PREREQUISITE:* Eligible for ENGL & 101. Satisfies a natural science requirement for AA-DTA degree.

ASTR & 101**Introduction to Astronomy (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. *PREREQUISITE:* ENGL & 101 or eligible for ENGL & 101; or instructor's permission. Satisfies a lab or natural science requirement for AA-DTA degree.

AUTOMOTIVE TECHNOLOGY (ATECH)**ATECH 101****State Emission Control Specialist Phase I (4)**

Presents fundamental principles and terminology of automotive emission 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. Students passing with an 80 percent score receive a certificate from the Department of Ecology designating them a State Emissions Specialist. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ATECH 103**Emissions Recertification (2)**

Presents fundamental principles and terminology of automotive emission 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. Students passing with an 80 percent score receive a certificate from the Department of Ecology designating them a State Emissions Specialist. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ATECH 110**Shop Procedures (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. *PREREQUISITE:* Instructor's permission and eligible for READ 104.

ATECH 111**Electrical and Electronics Systems (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. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 112**Engine Performance (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. *PREREQUISITE:* ATECH 110, 111 and instructor's permission. Eligible for READ 104.

ATECH 113**Engine Repair (1-3)**

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. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 114**Automatic Transmission and Transaxle (1-8)**

Covers theory, application, diagnosis and repair of fluid power, hydraulics, power transmission, and final drive units as applied to automatic transmissions and trans-axes. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 115**Manual Drive Trains and Axles (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. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 116**Suspension and Steering (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. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 117**Brakes (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. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 118**Heating and Air Conditioning (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. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 119**Special Shop Practice (1-12)**

Practical application and development of skills acquired during study and application of competencies listed in course modules ATECH 111 through 118. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal. *PREREQUISITE:* ATECH 110 and instructor's permission. Eligible for READ 104.

ATECH 150**Automotive Leadership Skills 1 (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. *PREREQUISITE:* Instructor's permission.

ATECH 151**Automotive Leadership Skills 2 (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. *PREREQUISITE:* Instructor's permission.

ATECH 152**Automotive Leadership Skills 3 (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. *PREREQUISITE:* Instructor's permission.

ATECH 153**Automotive Leadership Skills 4 (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. *PREREQUISITE:* Instructor's permission.

ATECH 154**Automotive Leadership Skills 5 (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. *PREREQUISITE:* Instructor's permission.

ATECH 177**Auto Work Experience (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. *PREREQUISITE:* Instructor's permission.

ATECH 194**Special Topics (1-13)**

Provides training to meet established local needs in automotive repair industry, supplemental to classes currently offered. *PREREQUISITE:* Instructor's permission.

AVIATION (AVIA)**AVIA 101****Aviation Fundamentals (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. *PREREQUISITE:* Instructor's permission.

AVIA 103**Aviation History and Careers (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.

AVIA 107**Drone Operations (2)**

Prepares students for the Federal Aviation Administration's CFR Title 14, Part 107 remote pilot certification for small UAV (Unmanned Aerial System) operator.

AVIA 109**Introduction to Unmanned Aerial Systems (5)**

Introduces students to the requirements of operating an unmanned aerial vehicle beyond the basic FAA written test. Covers aerodynamics, regulatory requirements, telemetry, communications, weather, aeronautical decision making and crew resource management, physiology, emergency procedures and aircraft performance. Addresses the application of unmanned aerial vehicles and their sub-systems including maintenance and inspection procedures, basic repair including wiring, soldering and basic DC circuitry, volt-ohmmeters, performance and support equipment. Prepares students to take the small UAV operator Aeronautical Knowledge Written Test for the Remote Pilot Certification.

AVIA 110**Airline Operation (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.

AVIA 111**Private Pilot Ground School (5)**

Includes aerodynamics, navigation, weather, communications, regulations, flight physiology, weight balance, and other subjects preparatory to the FAA private pilot written exam.

AVIA 112**Aircraft Systems (5)**

Covers general aviation and commercial aircraft systems, navigation systems and flight deck technologies currently in use in general aviation and commercial aircraft.

AVIA 123**Aviation Weather (5)**

Covers theory of weather processes and interpretation of weather reports and charts. Includes special aviation-related topics such as high-altitude weather, arctic weather and tropical weather. Students gain a fundamental knowledge of weather observation and forecasting techniques and instruments. Discusses special aviation problems such as windshear and micro-burst detection. Covers Terminal Aerodrome Forecast/Aviation Routine Weather.

AVIA 128**Basic Weather Observation (3)**

Provides participants with the knowledge to create and decipher aviation weather reports. A strong background in aviation weather is very important in the aviation field. Pilots, dispatchers, air traffic controllers, flight service personnel and weather observers deal with this weather information in extreme depth on a daily basis.

AVIA 129**Unmanned Aerial Vehicle Basics (5)**

Introduction to sUAS (drone) Basic Aerial Composition and aerial techniques working in the regulatory environment. Post-Production editing including hardware requirements, software options, best practices, and basic video post-production editing, storyboarding, social media applications, working the timeline, file sharing, working with natural lighting, histograms, exposure metering, audio editing and color correction.

AVIA 131**Aviation Ground School (5)**

Includes instruction in aerodynamics, navigation, weather, communications, regulations, flight physiology, weight balance, and minimum employment requirements necessary for various aviation careers.

AVIA 160**Aviation Communication (2-5)**

Provides intensive instruction and practice in listening and speaking the words and phrases used in pilot-controller-dispatcher radio communication. Emphasizes accuracy and efficiency. Course very useful for, but not limited to, persons who have completed ESOL. In both USA and ICAO (International) format.

AVIA 177**Aviation Work Experience 1 (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. *PREREQUISITE:* Instructor's permission.

AVIA 178**Aviation Work Experience 2 (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. *PREREQUISITE:* Instructor's permission.

AVIA 179**Aviation Work Experience 3 (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. *PREREQUISITE:* Instructor's permission.

AVIA 190**FAA Next Generation Technologies (5)**

Covers technologies and procedures the FAA is using as the FAA migrates from the existing National Airspace System infrastructure and technology to the FAA Next Generation National Airspace System infrastructure and technology. *PREREQUISITE:* AVIA 111, 112 and 123; or instructor's permission.

AVIA 194**Aviation Special Topics (1-10)**

Provides training to meet the requirements of the aviation industry and to meet local needs in training in addition to classes currently offered. *PREREQUISITE:* Instructor's permission.

AVIA 206**Helicopter Ground School (3)**

Covers helicopter aerodynamics, systems, operations, emergencies, flight regulations, weight and balance, pinnacle and slope operations, external loads, high altitude operation, large helicopter operations and other subjects pertaining to the FAA Private Pilot and Commercial Pilot Knowledge examinations.

AVIA 210**Aviation and the Law (5)**

Aviation law and regulations including discussions of constitutional, administrative and international law affecting aviation. Analysis of aviation regulatory environments and processes including legislation, rule-making, certification and enforcement actions using case studies.

AVIA 211**Aerodynamics for Pilots (5)**

Covers aerodynamic forces, symbols-equations, airspeed measurements, the four forces of light, jet aircraft performance, propeller aircraft performance, helicopter aerodynamics, stability, takeoff and landing performance.

AVIA 212**Human Factors for Aviators (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. *PREREQUISITE:* AVIA 111 and AVIA 123; or instructor's permission.

AVIA 214**Airport Management and Operations (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.

AVIA 216**Basic Instrument Pilot Ground School (5)**

Provides students with information to pass the FAA instrument pilot written examination. Covers basic instrument flight procedures and planning including radio navigation, IFR flight planning and decision-making, ATC procedures, and FAA regulations pertinent to instrument flight. FAA part 141 approved. *PREREQUISITE:* AVIA 111 or instructor's permission.

AVIA 217**Aviation Security (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.

AVIA 218**Commercial Pilot Ground School (5)**

Topics include navigation, weather, advanced aircraft performance, high-power engine operation, multi-engine factors, regulations, weight shift, instrument flight and communication, and airspace. FAA Part 141 approved. Prepares students for the FAA Commercial Pilot written exam. *PREREQUISITE:* AVIA 111 or instructor's permission.

AVIA 220**Flight Instructor Ground School (5)**

Prepares students to pass the FAA fundamentals of instructing, basic ground instructor, advanced ground instructor and flight instructor-airplane written tests. Covers aviation instruction methods, the learning process, elements of effective teaching and lesson planning. Also covers aerodynamics, aircraft systems, aviation weather, flight maneuvers and navigation. *PREREQUISITE:* AVIA 111, 216 and 218.

AVIA 221**FAA Written Test Preparation for ATP/Dispatch (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.

AVIA 229**Unmanned Aerial Vehicle Operations (5)**

Students demonstrate and apply what they have learned in previous courses by conducting simulated and real life flight missions in the field. *PREREQUISITE:* AVIA 129.

AVIA 254**Helicopter Pilot Instructor Flight 3 (2)**

Qualifies students to obtain and/or update skills and knowledge necessary for pilot flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 263**Helicopter Pilot Instrument Instructor (2)**

Qualifies students to obtain and/or update skills and knowledge necessary for pilot flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 264**Complex Aircraft Qualifications (2)**

Qualifies students to obtain and/or update skills and knowledge necessary for pilot flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 265**Airline Dispatch (10)**

Teaches practical dispatching for airline and corporate operations, as well as preflight, in-flight and postflight 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. *PREREQUISITE:* (AVIA 270 or AVIA 281) and AVIA 123 and AVIA 216; or instructor's permission; and eligible for ENGL& 101.

AVIA 267**International Flight Planning and ETOPS (5)**

Covers air carrier flight planning to points outside the United States, Federal Aviation Regulations (Part 121) and International Civil Aviation Organization regulations (ICAO), flight planning practice using ICAO forms, as well as extended two-engine overwater operation procedures (ETOPS), and routing, fuel, equipment and weather requirements. *PREREQUISITE:* AVIA 265 or concurrent enrollment; or instructor's permission.

AVIA 270**Air Traffic Control Fundamentals (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. *PREREQUISITE:* AVIA 111, AVIA 123 and AVIA 216; or instructor's permission.

AVIA 281**Air Traffic Control 1 (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. *PREREQUISITE:* AVIA 111; concurrent enrollment in AVIA 216; and instructor's permission.

AVIA 282**Air Traffic Control 2 (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. *PREREQUISITE:* AVIA 281 with a grade of 2.5 or higher.

AVIA 284**ATC Radar Lab (1)**

Focuses on ATC radar operations including radar procedure applications and FAA radar operational methods and techniques. *PREREQUISITE:* AVIA 281 or AVIA 282; and instructor's permission.

AVIA 286**Air Traffic Controllers 3-Enroute ATC (5)**

Expands on the foundation of basic control procedures students learned in AVIA 281, and focuses on students aspiring to become air traffic controllers. *PREREQUISITE:* AVIA 281 and 282, both with a grade of 2.5 or higher.

AVIA 300**Certified Flight Instructor Ground School (5)**

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 methods and skills. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 301**Certified Flight Instructor-Instruments (3)**

Focuses on advanced instrument procedures knowledge including TERPS, expansion on topics covered in next gen operations and pilot techniques for advanced instrument flight with special emphasis on safety. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 360**General Operations Aviation Management (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 370**Aviation Safety Management System (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 375**ICAO Operations Standards (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 380**Aviation Career Development (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 385**Airport Planning and Operations Management (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 400**Airline Operations Management (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 401**Multi-Engine (3)**

Instruction and foundation 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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 402**Certified Flight Instructor, Multi-Engine (3)**

Instruction in how to teach flight students the correct operation of high performance aircraft with advanced engines, multiple engines, turbo-prop and turbine aircraft, as well as instruction in how to teach advanced cockpit technologies methods and procedures with special emphasis on safety of flight procedures, methods and skills. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 410**Aviation and Aircrew Resource Management (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

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AVIA 430

Aviation and the Global Economy (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIA 490

Capstone: Aviation Research Projects (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

AVIATION – FLIGHT (FLT)

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. VA education benefits only cover the number of hours listed below. Most students need more time to obtain FAA certification and the cost will be incurred to the student as 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. On or after August 1, 2016, all students will be required to possess a valid FAA Private Pilot License prior to enrolling in any flight course.

FLT 111

Private Pilot Flight 1 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 111	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Time (in hours)	Hourly Rate	Training Time (in hours)	Hourly Rate
Ground	20	\$45.00	29	\$75.00
Pre/Post Flight Discussion	6.5	\$45.00	5	\$75.00
Dual Flight	10	\$227.00	9	\$178.00
Solo Flight	2.5	\$162.00	0.5	\$103.00

FLT 112

Private Pilot Flight 2 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 112	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Time (in hours)	Hourly Rate	Training Time (in hours)	Hourly Rate
Ground	29	\$45.00	20	\$75.00
Pre/Post Flight Discussion	6.5	\$45.00	8	\$75.00
Dual Flight	14	\$227.00	15	\$178.00
Solo Flight	8.5	\$162.00	10.5	\$103.00

FLT 113

Private Pilot Flight 3 (1)

Qualifies students to demonstrate skills and knowledge necessary for flight proficiency requirements as an instrument instructor pilot in a flight simulator.

FLT 211

Instrument Pilot Flight 1 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 211	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Time (in hours)	Hourly Rate	Training Time (in hours)	Hourly Rate
Ground	9	\$45.00	9	\$80.00
Pre/Post Flight Discussion	6.5	\$45.00	6.5	\$80.00
Dual Flight	13	\$227.00	13	\$222.00

FLT 212

Instrument Pilot Flight 2 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 212	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Time (in hours)	Hourly Rate	Training Time (in hours)	Hourly Rate
Ground	11.5	\$45.00	11.5	\$80.00
Pre/Post Flight Discussion	4.5	\$45.00	6.5	\$80.00
Dual Flight	11	\$227.00	11	\$222.00

FLT 213
Instrument Pilot Flight 3 (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. The Department of Veterans Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 213	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Type	Training Time (in hours)	Hourly Rate	Training Time (in hours)
Ground	9.5	\$45.00	9.5	\$80.00
Pre/Post Flight Discussion	3	\$45.00	3	\$80.00
Dual Flight	11	\$227.00	11	\$222.00

FLT 231
Commercial Pilot Flight 1 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 231	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Type	Training Time (in hours)	Hourly Rate	Training Time (in hours)
Ground	10	\$45.00	10	\$80.00
Pre/Post Flight Discussion	7.5	\$45.00	7.5	\$80.00
Dual Flight	13	\$227.00	13	\$178.00
Solo Flight	40	\$162.00	40	\$142.00

FLT 232
Commercial Pilot Flight 2 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 232	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Type	Training Time (in hours)	Hourly Rate	Training Time (in hours)
Ground	25	\$45.00	25	\$80.00
Pre/Post Flight Discussion	11.5	\$45.00	11.5	\$80.00
Dual Flight	20	\$227.00	20	\$270.00
Solo Flight	9	\$162.00	9	\$142.00

FLT 233
Commercial Pilot Flight 3 (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 233	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Type	Training Time (in hours)	Hourly Rate	Training Time (in hours)
Pre/Post Flight Discussion	10	\$45.00	10	\$80.00
Dual Flight	22	\$227.00	22	\$270.00
Solo Flight	16	\$162.00	16	\$190.00

FLT 261
Helicopter Instrument Pilot Flight 1 (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 flight. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 261	Classic Helicopter Corporation	
	Training Type	Training Time (in hours)
Ground	15	\$55.00
Pre/Post Flight Discussion	5.5	\$55.00
Dual Flight	13.5	\$550.00
Stage Check Flight	1.5	\$305.00
Stage Check P/P	0.5	\$60.00

FLT 262
Helicopter Instrument Pilot Flight 2 (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 instrument approach procedures to FAA standards. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 262	Classic Helicopter Corporation	
	Training Type	Training Time (in hours)
Ground	15	\$55.00
Pre/Post Flight Discussion	4.5	\$55.00
Dual Flight	11	\$550.00
Stage Check Flight	2	\$305.00
Stage Check P/P	0.5	\$60.00

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FLT 263

Helicopter Instrument Pilot Flight 3 (1)

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn FAA Instrument rating under the flight school's approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for Instrument Rating. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 263		
Classic Helicopter Corporation		
Training Type	Training Time (in hours)	Hourly Rate
Pre/Post Flight Discussion	5	\$55.00
Dual Flight	10	\$550.00
Stage Check Flight	2	\$305.00
Stage Check P/P	2	\$60.00

FLT 271

Helicopter Commercial Pilot Flight 1 (2)

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Commercial Pilot course. Student 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 refine commercial flight maneuvers to FAA standards. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 271		
Classic Helicopter Corporation		
Training Type	Training Time (in hours)	Hourly Rate
Ground	18	\$45.00
Pre/Post Flight Discussion	13.5	\$45.00
Dual Flight	10.5	\$290.00
Solo/PIC Flight	1.5	\$305.00
Stage Check Flight	1.5	\$305.00
Stage Check P/P	1	\$60.00

FLT 272

Commercial Pilot Helicopter Flight 2 (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 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 instrument flight competency to FAA standards. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 272		
Classic Helicopter Corporation		
Training Type	Training Time (in hours)	Hourly Rate
Ground	12	\$45.00
Pre/Post Flight Discussion	11	\$45.00
Dual Flight	6	\$290.00
Solo/PIC Flight	15	\$290.00
Dual Instruction	6	\$550.00
Stage Check Flight	2	\$305.00
Stage Check P/P	1	\$60.00

FLT 273

Commercial Pilot Helicopter Flight 3 (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. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 273		
Classic Helicopter Corporation		
Training Type	Training Time (in hours)	Hourly Rate
Pre/Post Flight Discussion	14.5	\$45.00
Dual Flight	9	\$290.00
Solo/PIC Flight	42	\$290.00
Stage Check Flight	2	\$305.00
Stage Check P/P	0.5	\$60.00

FLT 281

Instructor Pilot Helicopter Flight 1 (2)

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and stage check requirements for the Flight Instructor 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 commercial maneuvers to FAA standards. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 281		
Classic Helicopter Corporation		
Training Type	Training Time (in hours)	Hourly Rate
Ground	20	\$45.00
Pre/Post Flight Discussion	4.5	\$45.00
Dual Flight	11.5	\$290.00
Stage Check Flight	1.5	\$305.00
Stage Check P/P	0.5	\$60.00

FLT 282

Instructor Pilot Helicopter Flight 2 (2)

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn FAA flight instructor rating under the flight school's approved training course outline and Title 14 of the Code of Federal Rules Part 141 requirements for flight instructor. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 282		
Classic Helicopter Corporation		
Training Type	Training Time (in hours)	Hourly Rate
Ground	18	\$45.00
Pre/Post Flight Discussion	5	\$45.00
Dual Flight	11.5	\$290.00
Stage Check Flight	1.5	\$305.00
Stage Check P/P	2.5	\$60.00

FLT 291
Instrument Instructor Pilot Helicopter Flight 1 (2)

Qualifies students to obtain skills and knowledge necessary to meet flight proficiency and earn FAA Instrument Instructor Pilot rating. Students must follow the requirements of Title 14 of the Code of Federal Rules Part 141 requirements for the Instrument Instructor course. This training must be accomplished at the appropriate authorized flight school providing all in-flight instruction. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website.

FLT 291		Classic Helicopter Corporation	
Training Type	Training Time (in hours)	Hourly Rate	
Ground	15	\$55.00	
Pre/Post Flight Discussion	5.5	\$55.00	
Dual Flight	13.5	\$550.00	
Stage Check Flight	1.5	\$550.00	
Stage Check P/P	1	\$60.00	

FLT 292
Instrument Instructor Pilot Helicopter Flight 2 (1)

Qualifies students to demonstrate skills and knowledge necessary for flight proficiency requirements as an instrument instructor pilot in a flight simulator.

FLT 300
Certified Flight Instructor (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website. *PREREQUISITE:* FLT 233 and instructor's permission.

FLT 300	Crest Airpark Flight Training		Galvin Flight Training, LLC.	
	Training Time (in hours)	Hourly Rate	Training Time (in hours)	Hourly Rate
Ground	14.5	\$45.00	14.5	\$80.00
Pre/Post Flight Discussion	4	\$45.00	4	\$80.00
Dual Flight	12	\$227.00	12	\$270.00

FLT 301
Certified Flight Instructor-Instrument Flight (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website. *PREREQUISITE:* Certified Flight Instructor License and: (A) Commercial Pilot License with an Instrument Rating appropriate to the aircraft category and class Rating for which the course applies or (B) Airline Transport Pilot License and instructor's permission, and a current FAA Class II Medical Certificate.

FLT 401
Multi-Engine Operations Flight (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website. *PREREQUISITE:* FLT 233 and instructor's permission.

FLT 401		Galvin Flight Training, LLC.	
Training Type	Training Time (in hours)	Hourly Rate	
Ground	15	\$80.00	
Pre/Post Flight Discussion	7	\$80.00	
Dual Flight	15	\$495.00	

FLT 402
Multi-Engine Instructor Rating (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. The Department of Veteran Affairs will only pay for the minimum number of flight hours that are indicated in the approved training course outline. Those hours are posted on the Green River College website. *PREREQUISITE:* FLT 401 and instructor's permission.

FLT 402		Galvin Flight Training, LLC.	
Training Type	Training Time (in hours)	Hourly Rate	
Ground	20	\$80.00	
Pre/Post Flight Discussion	7.5	\$80.00	
Dual Flight	25	\$495.00	

AVIATION – SIMULATION (A SIM)**A SIM 111****Private Pilot Flight Simulation (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 postflight 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. *PREREQUISITE:* AVIA 111 or instructor's permission.

A SIM 216**Basic Instrument Flight Simulation (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 postflight 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. *PREREQUISITE:* A SIM 111 and AVIA 216; or instructor's permission.

A SIM 218**Commercial Pilot Flight Simulation (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 postflight 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. *PREREQUISITE:* A SIM 111 and AVIA 218; or instructor's permission.

A SIM 324**Turbine Operations Flight (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. *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

A SIM 326**Advanced Cockpit Technologies Flight (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). *PREREQUISITE:* Admission to BAS in Aeronautical Science degree.

BASIC EDUCATION (BASIC)**BASIC 020****Academic Orientation and Planning (1-2)**

Prepares basic skills students for success in their program. Students explore learning style preferences, set meaningful goals, and prepare for their basic skills courses. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 022**High School Equivalency Test Preparation for Bilingual Students Level 2-6 (1-12)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, vocational and adult life skills. Up to 49% of instruction will be delivered in Spanish. Prepares students to take either the Spanish or English version of the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 023**High School Equivalency Test Preparation for Bilingual Students Level 3 (1-12)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, vocational and adult life skills. Up to 49% of instruction will be delivered in Spanish. Prepares students to take either the Spanish or English version of the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 024**High School Equivalency Test Preparation for Bilingual Students Level 4 (1-12)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, vocational and adult life skills. Up to 49% of instruction will be delivered in Spanish. Prepares students to take either the Spanish or English version of the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 025**High School Equivalency Test Preparation for Bilingual Students Level 5 (1-12)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, vocational and adult life skills. Up to 49% of instruction will be delivered in Spanish. Prepares students to take either the Spanish or English version of the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 026**High School Equivalency Test Preparation for Bilingual Students Level 6 (1-12)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, vocational and adult life skills. Up to 49% of instruction will be delivered in Spanish. Prepares students to take either the Spanish or English version of the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 032**Adult Basic Education Level 2 (1-15)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, career and adult life skills. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 033**Adult Basic Education Level 3 (1-15)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, career and adult life skills. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 034**Adult Basic Education Level 4 (1-15)**

Provides instruction in basic reading, writing, critical thinking, and math to help students acquire fundamental academic, career and adult life skills. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 054**Problem Solving for the Math High School Equivalency Test I (2-5)**

Prepares students for the high school equivalency math test by teaching them to understand, analyze, evaluate, and solve the type of math problems presented on the high school equivalency test. Specifically, students study basic concepts in problem solving with basic geometry and measurement, ratio and proportion, probability, and elementary algebra. *PREREQUISITE:* instructor's permission or a grade of "P" in TS 053. This is a pass/no credit course.

BASIC 056**Adult Basic Reading 2 (1-5)**

Teaches students to quickly and accurately read and comprehend words and word groups in multiple pages of basic text to independently accomplish basic, well-defined and structured reading activities in a range of comfortable and familiar settings. Students determine the reading purpose, select reading appropriate strategies, monitor comprehension and adjust strategies, analyze information and reflect on its underlying meaning, and integrate it with prior knowledge to address reading purpose. *PREREQUISITE:* Appropriate placement score on ABE CASAS reading assessment; and instructor's permission.

BASIC 058**Problem Solving for the Math High School Equivalency Test (2-5)**

Prepares students for the high school equivalency math test by teaching them to understand, analyze, evaluate, and solve the type of math problems presented on the high school equivalency test. Specifically, students study basic concepts in problem solving with basic geometry and measurement, ratio and proportion, probability, and elementary algebra. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 059**Adult Basic Writing (1-5)**

Students learn to write simple narrative, informative, or expressive texts of a paragraphs and steps/instructions/commands. Students independently accomplish well-defined and structured writing activities for varied audiences (self, family, workplace, and teacher) in a range of comfortable and familiar settings. *PREREQUISITE:* Instructor's permission and appropriate placement score. This is a pass/no credit course.

BASIC 060**Adult Basic and High School Equivalency Test Preparation Writing (1-5)**

Students learn to write a variety of texts that include more complex sentence structures and multiple paragraphs easily and with few errors for a wide variety of purposes (such as different kinds of expressive, persuasive and informative purposes), and independently accomplish structured and fairly complex writing in a variety of familiar and some novel settings. *PREREQUISITE:* Instructor's permission and appropriate placement score. This is a pass/no credit course.

BASIC 061 Reading in the Content Area Language Arts Fiction (1)

Students learn to read critically for academic purposes and prepare for the high school equivalency test. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 062**Reading in the Content Area Social Studies (1)**

Students learn to read social studies materials critically for academic purposes and to prepare for the high school equivalency test. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 063**Reading in the Content Area Science (1)**

Students learn to read science materials critically and apply, analyze, and evaluate the materials for academic purposes and to prepare for the high school equivalency test. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 064**Reading in the Content Area Nonfiction (1)**

Students learn to read nonfiction materials critically for academic purposes and to prepare for the high school equivalency test. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 065**Reading in the Content Area Mathematics (1)**

Students learn to read and evaluate materials relating to math instruction and problem solving. Prepares students for the math portion of the high school equivalency tests and for academic education. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 070**Workplace and Computer Basics (12)**

Focuses on workplace and computer skills, job search and employability skills, and basic reading, writing, and math skills. Appropriate for students who want to improve their employability and prepare for high school equivalency test. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 072**Basic Skills Review Level 2 (1-10)**

For students who need to study in only one or two basic areas. Students study for shorter periods of time, and remain only until their basic skills goals are met. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 073**Basic Skills Review Level 3 (1-10)**

For students who need to study in only one or two basic areas. Students study for shorter periods of time, and remain only until their basic skills goals are met. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 074**Basic Skills Review Level 4 (1-10)**

For students who need to study in only one or two basic areas. Students study for shorter periods of time, and remain only until their basic skills goals are met. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 075**Basic High School Equivalency Test Preparation (1-15)**

Helps students master the skills in writing, critical thinking, social studies, science, reading and mathematics to pass the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 076**Advanced High School Equivalency Test Preparation (1-15)**

Helps students master the skills in writing, critical thinking, social studies, science, reading and mathematics to pass the high school equivalency test. *PREREQUISITE:* Instructor's permission and appropriate CASAS score. This is a pass/no credit course.

BASIC 094**Special Topics in Adult Basic Education 2 (1-12)**

Course content varies each time it is offered. Content may include ABE reading, writing, and math skills for specific content areas such as an integrated class with a career or technical program. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 095**Special Topics in Adult Basic Education 3 (1-12)**

Course content varies each time it is offered. Content may include ABE reading, writing, and math skills for specific content areas such as an integrated class with a career or technical program. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 096**Special Topics in Adult Basic Education 4 (1-12)**

Course content varies each time it is offered. Content may include ABE reading, writing, and math skills for specific content areas such as an integrated class with a career or technical program. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 097**Special Topics in Adult Basic Education 5 (1-12)**

Course content varies each time it is offered. Content may include ABE reading, writing, and math skills for specific content areas such as an integrated class with a career or technical program. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BASIC 098**Special Topics in Adult Basic Education 6 (1-12)**

Course content varies each time it is offered. Content may include ABE reading, writing, and math skills for specific content areas such as an integrated class with a career or technical program. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

BIOLOGY (BIOL)**BIOL & 100****Survey of Biology (5)**

Presents fundamental topics from all areas of modern biology including the environment, ecology, and physiology and cell biology to non-biology majors. Uses examples from all the kingdoms of life. *PREREQUISITE:* Eligible for ENGL & 101. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL 103**Introduction to Botany (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 a lab or natural science requirement for AA-DTA degree.

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BIOL 110

Northwest Ecology (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 a lab or natural science requirement for AA-DTA degree.

BIOL 125

Field Studies (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. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission.

BIOL 127

Natural Science of Australia and New Zealand (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. *PREREQUISITE:* Enrollment in Australia Study Abroad Program and eligible for ENGL& 101. Satisfies a natural science requirement for AA-DTA degree.

BIOL 140

Field Trips in Biology (1)

Explores various biological ecosystems of the Pacific Northwest. Locations of the field trips vary from year to year. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission. Satisfies an activity requirement for AA-DTA degree.

BIOL& 160

General Biology with Lab (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. *PREREQUISITE:* ENGL& 101 with a grade of 2.0 or higher. **STRONGLY RECOMMEND:** MATH 097 or higher and CHEM& 121. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL 177

Biology Work Experience (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. *PREREQUISITE:* Concurrent enrollment in COOP 171; and eligible for ENGL& 101; and instructor's permission.

BIOL 194

Special Topics-Biology 1 (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. *PREREQUISITE:* Eligible for ENGL& 101.

BIOL 195

Special Topics-Biology 2 (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. *PREREQUISITE:* Eligible for ENGL& 101.

BIOL& 211

Majors Cellular (6)

Helps students 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. *PREREQUISITE:* CHEM& 131 or CHEM& 163; and ENGL& 101 or instructor's permission. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL& 212

Majors Animal (6)

Surveys the animal kingdom in the context of evolution, taxonomic classification, fundamental physiology, and fundamental ecology. Focuses on selected representatives of the animal kingdom. Laboratory portion of this class corresponds to selected lecture topics, and provides hands-on experience. *PREREQUISITE:* BIOL& 211 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL& 213

Majors Plant (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. *PREREQUISITE:* BIOL& 211 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL& 241

Human Anatomy and Physiology 1 (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. *PREREQUISITE:* Eligible for ENGL& 101; and AP 104 or BIOL& 160 or BIOL& 211, all with a grade of 2.0 or higher; or instructor's permission. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL& 242

Human Anatomy and Physiology 2 (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. *PREREQUISITE:* BIOL& 241 with a grade of 2.0 or higher; and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL& 260

Microbiology (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. *PREREQUISITE:* AP 104, BIOL& 212, or BIOL& 242 with a grade of 2.0 or higher; and eligible for ENGL& 101; or instructor's permission. Satisfies a lab or natural science requirement for AA-DTA degree.

BIOL 298

Independent Study-Biology (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. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission.

BUSINESS ADMINISTRATION (B A)

B A 145

Business Computation (5)

Sharpens the computational skills of students preparing to enter business employment. Provides a thorough review of basic arithmetic operations and their application to typical business problems. Also provides broad consumer education covering topics such as bank reconciliations, discounts, markups and markdowns, payroll, simple and compound interest and present value. *PREREQUISITE:* Eligible for MATH 062, or BTAC 110 with a grade of 2.0 or higher; or instructor's permission.

B A 146

Intermediate Business Math (3)

Study of simple and compound interest, negotiable instruments, discounting notes, applying cash discounts and markup, the mathematics of payroll and payroll procedures, and calculation of adjusted gross income for tax purposes. *PREREQUISITE:* B A 145 or special placement.

B A 177

Business Administration Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

B A 178**Business Administration****Work Experience 2 (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.

PREREQUISITE: Concurrent enrollment in COOP 171 and instructor's permission.

B A 179**Business Administration****Work Experience 3 (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.

PREREQUISITE: Concurrent enrollment in COOP 171 and instructor's permission.

BUSINESS MANAGEMENT (BUS)**BUS& 101****Introduction to Business (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. *PREREQUISITE:* Eligible for ENGL 099. *RECOMMEND:* Writing skills. Satisfies a social science requirement for AA-DTA degree.

BUS 103**Business Leadership (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies an activity requirement for AA-DTA degree.

BUS 121**Marketing Fundamentals (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.

BUS 159**Professional Selling (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.

BUS 164**Entrepreneurship and Small Business Management (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

BUS 166**Human Relations and Work Readiness (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.

BUS 173**Basic Financial Management (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. *PREREQUISITE:* B A 145 or instructor's permission.

BUS 175**Career Management (1)**

Students examine their personal and professional goals; learn about their strengths and weaknesses; and assemble a job portfolio consisting of cover letter, resume, and professional recommendations. Students build their professional network through informational interviews.

BUS 177**Supervised Work Experience 1 (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. *PREREQUISITE:* Completion of at least 15 credits in Business Management and instructor's permission.

BUS 180**Supervised Work Experience 2 (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. *PREREQUISITE:* Completion of at least 15 credits in Business Management and instructor's permission.

BUS 181**Introduction to International Business (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

BUS 184**International Business Strategies (5)**

Practical application of international business concepts and strategies. Students complete case studies and projects related to sales, sourcing, and management in a global environment. *PREREQUISITE:* BUS 181 or instructor's permission.

BUS 186**International Marketing (5)**

Examines marketing, advertising, packaging, branding and logistics issues impacting global markets. Students develop strategies addressing topics such as global markets, global advertising and marketing, and cultural dynamics in global markets. Introduces students to a marketing plan designed for global markets. *PREREQUISITE:* BUS 181 or instructor's permission.

BUS 194**Special Topics-Business Management 1 (1-5)**

Students study and train to meet established needs in business, sales, and supervision practices. Course content varies each time it is offered. Intended to meet the needs of each student. *PREREQUISITE:* Instructor's permission.

BUS 195**Special Topics-Business Management 2 (5)**

Students study and train to meet established needs in business, sales, and supervision practices. Course content varies each time it is offered. Intended to meet the needs of each student. *PREREQUISITE:* Instructor's permission.

BUS 196**Special Topics-Business Management 3 (5)**

Students study and train to meet established needs in business, sales, and supervision practices. Course content varies each time it is offered. Intended to meet the needs of each student. *PREREQUISITE:* Instructor's permission.

BUS& 201**Business Law and the Regulation of Business (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. *PREREQUISITE:* READ 094; or eligible for READ 104; and POLS& 200; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

BUS 202**Introduction to Project Management (5)**

Examines how to manage projects by planning, prioritizing, scheduling, budgeting, and monitoring the project. Emphasizes common tools and methods used by project managers to complete projects on time and on budget.

BUS 257**Customer Service Strategies (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.

BUS 258**Principles of Management and Supervision (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. *PREREQUISITE:* BUS 103 and (BUS 164 or BUS& 101); or instructor's permission.

- BUS 259**
Customer Service Representative Practicum (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.
- BUS 300**
Introduction to Entrepreneurial Leadership (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission.
- BUS 310**
Marketing Research and Analytics (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission. RECOMMEND: MATH 256.
- BUS 335**
Integrated Marketing Communications (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. *PREREQUISITE:* Admission into the BAS Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission.
- BUS 340**
Project Management (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and instructor's permission.
- BUS 344**
Entrepreneurial Finance (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. *PREREQUISITE:* Admission into the BAS Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission. STRONGLY RECOMMEND: ACCT 110 or ACCT& 201.
- BUS 350**
Production Development and Innovation (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission. STRONGLY RECOMMEND: ACCT 110 or ACCT& 201.
- BUS 360**
Sales and Negotiation (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. *PREREQUISITE:* Admission into the BAS Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission. RECOMMEND: BUS 159.
- BUS 365**
Consumer Behavior (5)
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. *PREREQUISITE:* Admission into the BAS Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission.
- BUS 385**
Operations Management for Competitive Advantage (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. *PREREQUISITE:* Admission into the BAS Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission. RECOMMEND: MATH 256.
- BUS 390**
Digital Marketing (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission.
- BUS 395**
Strategic Marketing and Management (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); and (BUS 310, BUS 335, BUS 344, BUS 350, BUS 365, and BUS 390); or instructor's permission. RECOMMEND: BUS 258.
- BUS 400**
Personal and Professional Branding (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); or instructor's permission.
- BUS 401**
Special Topics: Marketing and Entrepreneurship 1 (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship; or instructor's permission.
- BUS 402**
Special Topics: Marketing and Entrepreneurship 2 (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. *PREREQUISITE:* Admission into the BAS Marketing and Entrepreneurship program; or instructor's permission.
- BUS 403**
Special Topics: Marketing and Entrepreneurship 3 (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; or instructor's permission.

BUS 404**Special Topics: Marketing and Entrepreneurship 4 (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; or instructor's permission.

BUS 405**Special Topics: Marketing and Entrepreneurship 5 (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; or instructor's permission.

BUS 460**Venture Launch 1 (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); and BUS 395; or instructor's permission.

BUS 490**Venture Launch 2 (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. *PREREQUISITE:* Admission into the BAS in Marketing and Entrepreneurship program; and BUS 121; and (BUS& 101 or BUS 181); and (MATH& 141 or MATH 147); and BUS 460; or instructor's permission.

BUSINESS TECHNOLOGIES and ADMINISTRATIVE CAREERS (BTAC)
BTAC 080**Keyboarding (2)**

Uses keyboards to record words and data in the business office, as well as in personal communications. Enables a student to develop touch-keyboarding (typewriting) skills in a minimal amount of time. Introduces alphabet, number, and symbol keys to students with little or no keyboarding skills.

BTAC 090**Office Accounting (5)**

General presentation of financial accounting designed to meet the needs of the non-accountant in business. Develops fundamental accounting principles and applications from initial journal entries through the preparation of financial statements for service and merchandising firms. Topics include the accounting equation, the accounting cycle in service and merchandising firms, special journals, cash transactions, payroll, accounting professionals, and computerized accounting systems. *RESTRICTION:* Accounting majors are not eligible for this class.

BTAC 100**Fundamentals of Computers (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. *PREREQUISITE:* Eligible for READ 094.

BTAC 101**Beginning Keyboarding (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.

BTAC 102**Intermediate Keyboarding (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. *PREREQUISITE:* BTAC 101 with a grade of 2.0 or higher or equivalent. *RECOMMEND:* BTAC 112 and a minimum typing speed of 30 wpm.

BTAC 103**Advanced Keyboarding (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. *PREREQUISITE:* BTAC 102 or equivalent and BTAC 112, all with a grade of 2.0 or higher. *RECOMMEND:* A minimum typing speed of 30 wpm.

BTAC 104**Computer Fundamentals: Internet (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.

BTAC 105**Computer Fundamentals: Word (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.

BTAC 106**Computer Fundamentals: Excel (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.

BTAC 107**Typing Speed and Accuracy 1 (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. *RECOMMEND:* Knowledge of keyboard and a minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 108**Typing Speed and Accuracy 2 (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. *PREREQUISITE:* BTAC 107. This is a pass/no credit course.

BTAC 109**Legal Terminology (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. *PREREQUISITE:* Eligible for READ 094.

BTAC 110**Business Math Applications (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. *PREREQUISITE:* Eligible for MATH 072.

BTAC 111**Introduction to Computer Literacy (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. RECOMMEND: Eligible for READ 094. Satisfies an activity requirement for AA-DTA degree.

BTAC 112**Beginning Word (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. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A minimum typing speed of 30 wpm.

BTAC 113**Computer Fundamentals: Access (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.

BTAC 114**Microcomputer Fundamentals: PowerPoint (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.

BTAC 115**Professional Image Building (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. Satisfies an activity requirement for AA-DTA degree. This is a pass/no credit course.

BTAC 117**Exploring PowerPoint (2)**

Students learn to create and deliver easy, effective, professional-looking presentations using Microsoft PowerPoint. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher, or instructor's permission.

BTAC 118**Basics for Online Education (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.

BTAC 119**MOS Core and Expert Certification Preparation (7)**

Prepares users to take the Microsoft MOS core and expert certification tests in Microsoft Access, Excel, Word and PowerPoint. RECOMMEND: A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 120**Introduction to Transcription (5)**

Students develop transcription and editing skills using pre-recorded materials. Emphasizes production of mailable transcripts with specific attention to the placement, arrangement, correct spelling, and grammar of letters, memos, tables, and reports. *PREREQUISITE:* BTAC 102 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college level composition course.

BTAC 121**Introduction to legal Transcription (5)**

Develops legal transcription and editing skills using pre-recorded materials. Gives students a comprehensive background in the creation, purpose, use, and procedures of legal documents in the specialty areas of litigation, wills and probate, and family law issues. Emphasizes production of mailable documents with attention to the rules of spelling, grammar, and punctuation to meet the NALS requirements. Students increase their legal terminology knowledge and develop excellent research skills. *PREREQUISITE:* BTAC 102 and BTAC 109 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college-level composition course.

BTAC 122**Introduction to Medical Transcription (5)**

Develops medical transcription and editing skills using pre-recorded materials. Emphasizes production of mailable transcripts with attention to placement, arrangement, correct spelling, and grammar of letters, medical documents, and laboratory reports to meet AAMT standards. *PREREQUISITE:* BTAC 102 and ENGL 108, both with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college level composition course.

BTAC 123**Intermediate Medical Transcription (5)**

Develops advanced medical transcription and editing skills using pre-recorded materials. Emphasizes production of mailable transcripts with attention to placement, arrangement, correct spelling, and grammar of letters, medical documents, and laboratory reports to meet AAMT standards. *PREREQUISITE:* BTAC 122 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college level composition course.

BTAC 124**Advanced Medical Transcription (5)**

Develops medical transcription production and editing skills using realistic pre-recorded materials. Emphasizes transcription of medical reports and correspondence to meet the entry-level standards for accuracy and production speed to meet AAMT standards. *PREREQUISITE:* AP 100, BTAC 112, and BTAC 123, all with a grade of 2.0 or higher.

BTAC 125**Medical Terminology for Office Administration (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. *PREREQUISITE:* Eligible for READ 104, or instructor's permission.

BTAC 126**Pharmaceutical Basics (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. *PREREQUISITE:* Eligible for READ 104.

BTAC 127**Overview of Human Diseases for Non-Clinicians (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. *PREREQUISITE:* Eligible for READ 104.

BTAC 129**Intermediate Legal Transcription (5)**

Students refine legal transcription and editing skills using prerecorded materials. Students develop a comprehensive background in the creation, purpose, use, and procedures of legal documents in the specialty areas of contracts, real estate, corporate law, bankruptcy, and appellate practice. Emphasizes production of mailable documents with attention to the rules of spelling, grammar, and punctuation to meet the NALS requirements. Students increase their legal terminology knowledge and develop excellent research skills. *PREREQUISITE:* BTAC 121 with a grade of 2.0 or higher.

BTAC 130**Business Correspondence (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.

PREREQUISITE: Eligible for ENGL 099 and READ 104; or instructor's permission. *RECOMMEND:* BTAC 100 or computer application experience.

BTAC 132**Business Communication Applications (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. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission.

BTAC 133**Prep Test 1-Microsoft Certification Access (1)**

For users of Microsoft Access for Windows who are preparing to take the Microsoft MOS core certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 134**Prep Test 2-Microsoft Certification Access (1)**

For users of Microsoft Access for Windows who are preparing to take the Microsoft MOS expert certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 135**Prep Test 1-Microsoft Certification Excel (1)**

For users of Microsoft Excel for Windows who are preparing to take the Microsoft MOS core certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 136**Prep Test 2-Microsoft Certification Excel (1)**

For users of Microsoft Excel for Windows who are preparing to take the Microsoft MOS expert certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 137**Prep Tests - Microsoft Certification PowerPoint (1)**

For users of Microsoft PowerPoint for Windows who are preparing to take the Microsoft MOS core and expert certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 138**Prep Test 1-Microsoft Certification Word (1)**

For users of Microsoft Word who are preparing to take the Microsoft MOS core certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 139**Prep Test 2-Microsoft Certification Word (1)**

For users of Microsoft Word for Windows who are preparing to take the Microsoft MOS expert certification test. *RECOMMEND:* A minimum typing speed of 30 wpm. This is a pass/no credit course.

BTAC 140**Records Management (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.

PREREQUISITE: BTAC 100 with a grade of 2.0 or higher; or instructor's permission. *RECOMMEND:* BTAC 185.

BTAC 142**Health Information and Delivery Systems (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. *PREREQUISITE:* AP 100 or AP 103, BTAC 100 and BTAC 125, all with a grade of 2.0 or higher; or instructor's permission.

BTAC 143**Medical/Legal Aspects of Health Information (5)**

Provides an overview of law and ethics in the healthcare setting including employees' and providers' duties and responsibilities. Major topics include health information systems used to identify, file, and store patient health information, patient and healthcare recordkeeping, different types of data, sources, and use and users of data. Applies the general principles of law as related to health information. Emphasizes regulations regarding protected health information, patient privacy, and patient confidentiality. *PREREQUISITE:* BTAC 142 with a grade of 2.0 or higher; or instructor's permission.

BTAC 144**Computer Applications in Healthcare (5)**

Provides an overview of health informatics and examines the impact of information technology on the healthcare industry. Introduces encoding tools and computer-assisted coding software. Teaches use of practical applications using advanced word processing techniques and presentation, database, and flow chart software programs. *PREREQUISITE:* BTAC 142 with a grade of 2.0 or higher; or concurrent enrollment in BTAC 142; or instructor's permission.

BTAC 145**Introduction to ICD Coding (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). *PREREQUISITE:* AP 100, BTAC 125, BTAC 126 and BTAC 127, all with a grade of 2.0 or higher; or instructor's permission.

BTAC 146**Introduction to CPT Coding (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. *PREREQUISITE:* BTAC 145 with a grade of 2.0 or higher; or instructor's permission.

BTAC 147**Beginning Keyboarding-Alphabet Keys (1)**

Introduces alphabetic keyboard including correct finger placement and reaches. Enables students to develop touch-keyboarding skills in a minimal amount of time.

BTAC 148**Keyboarding-Mastering 10-Key and Symbols (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.

BTAC 149**Keyboarding-Speed and Accuracy-Skill Building (1)**

Enables students to develop skills to improve typing speed and accuracy. Reinforces touch-typing technique. *RECOMMEND:* Keyboarding skills.

BTAC 150**Introduction to Windows (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. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission.

118 Course Descriptions

BTAC 151

Word: Create, Edit and Format Documents (1)

Focuses on Microsoft Word basics such as document formatting, document organization, text and paragraph formatting, styles.

BTAC 152

Word: Tables and Sharing Documents (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.

BTAC 153

Word: Mail Merge and Other Productivity Tools (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. RECOMMEND: BTAC 151 and keyboarding skills.

BTAC 154

Word: Create a Newsletter (1)

Teaches use of Microsoft Word to design and create a newsletter, as well as working with objects and using object linking and embedding. RECOMMEND: BTAC 151 and keyboarding skills.

BTAC 155

Word: Creating Forms, Macros and Document Security (1)

Introduces creating an electronic form from a Microsoft Word template, protecting the form, and using authentication. Focuses on recording and editing macros. RECOMMEND: BTAC 151 and keyboarding skills.

BTAC 157

Introduction to Outlook (2)

Focuses on the application's basic tools for sending and receiving e-mails; organizing schedules and events; making journal entries; and maintaining contact lists, to-do lists, and notes. Covers some customization. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission.

BTAC 162

Introduction to Excel (5)

Introduces the basic skills for developing spreadsheets in Microsoft Excel. Students prepare and format worksheets, and maintain and enhance workbooks. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission.

BTAC 163

Advanced Excel (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. *PREREQUISITE:* BTAC 162 with a grade of 2.0 or higher; or instructor's permission.

BTAC 164

Access: Create and Modify a Database (1)

Focuses on Access objects and understanding the elements of database relationships. Also looks at table design with multiple tables. RECOMMEND: Basic knowledge of computer and keyboarding skills.

BTAC 165

Access: Use Queries to Produce Information (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. RECOMMEND: Basic knowledge of computer, keyboarding, and Access skills.

BTAC 166

Access: Create and Modify Forms (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. RECOMMEND: Basic knowledge of computer, keyboarding and Access skills.

BTAC 167

Access: Create and Modify Reports (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. RECOMMEND: Basic knowledge of computer, keyboarding, and Access skills.

BTAC 175

Instructor Assistant (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. *PREREQUISITE:* Instructor's permission.

BTAC 177

BTAC Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

BTAC 178

BTAC Work Experience 2 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

BTAC 179

BTAC Work Experience 3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

BTAC 180

Medical Coding Professional Practice Experience (5)

Provides students field-based practice with clinical code assignment and billing methodologies. Students complete field work with local healthcare facilities, physician practices, specialty clinics or other healthcare settings. In addition, students also complete in-class virtual based coding using authentic medical reports for a variety of patient types and encounters. *PREREQUISITE:* BTAC 257, BTAC 258 and BTAC 259, all with a grade of 2.0 or higher; or instructor's permission.

BTAC 184

Internet and Basic Web Design (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. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: BTAC 150 or IT 110.

BTAC 185

Introduction to Microsoft Access (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. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor's permission.

BTAC 186

Advanced Microsoft Access (5)

Focuses on advanced multi-table database design and techniques using Microsoft Access. *PREREQUISITE:* BTAC 185.

BTAC 187

PowerPoint: Preparing a Presentation (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. RECOMMEND: Keyboarding skills.

BTAC 188

PowerPoint: Design with Graphics and Multimedia (1)

Focuses on creating diagrams for processes and relationships; creating a photo album; inserting movies and sound; creating tables and charts. RECOMMEND: BTAC 187 and keyboarding skills.

BTAC 189**PowerPoint: Customize and Incorporate Web Features (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.

BTAC 191**Excel: Introduction to Formulas and Functions (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. RECOMMEND: Keyboarding skills.

BTAC 192**Excel: Charts and Working with Large Worksheets (1)**

Focuses on using Excel's charting feature and working with large worksheets. RECOMMEND: BTAC 191 and keyboarding skills.

BTAC 193**Excel as a Database (1)**

Covers Excel's database functions, pivot tables, conditional functions, and amortization table. RECOMMEND: BTAC 191 and keyboarding skills.

BTAC 194**Excel: Data Consolidation and What-If Analysis (1)**

Focuses on data consolidations, links, and formula auditing. Covers use of spreadsheets for decision making with "what-if" analysis. RECOMMEND: BTAC 191 and keyboarding skills.

BTAC 195**Excel: Collaboration, the Web, and Macros (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. RECOMMEND: BTAC 191 and keyboarding skills.

BTAC 200**Production Keyboarding (5)**

Emphasizes preparation of business documents. Students use a word processing program to refine formatting skills on a computer. Students develop decision-making skills while improving keyboarding (typing) skills. Emphasizes speed and accuracy improvement. Students work from an unarranged copy with minimal narrative instruction. Projects include correspondence, reports, forms, and tables. Emphasizes producing error-free copy. *PREREQUISITE:* BTAC 103 or equivalent, and BTAC 112. RECOMMEND: A typing speed of 55 wpm.

BTAC 201**Legal Production Keyboarding (5)**

Helps develop decision making skills and improves keyboarding (typing) and proofreading skills. Students work from an unarranged legal copy with minimal narrative instruction. Emphasizes speed and accuracy improvement, as well as legal terminology. Projects include preparation of documents commonly prepared in a legal office setting using a current word processing program. Projects include legal correspondence and documents, reports, forms, and tables. Emphasizes producing error-free copy. *PREREQUISITE:* BTAC 103 or equivalent, BTAC 109, and BTAC 112, all with a grade of 2.0 or higher. RECOMMEND: A typing speed of 60 wpm.

BTAC 202**Medical Production Keyboarding (5)**

Helps develop decision making skills and improves keyboarding (typing) and proofreading skills. Students work from an unarranged medical copy with minimal narrative instruction. Emphasizes speed and accuracy improvement, as well as medical terminology. Projects include preparation of documents commonly prepared in a medical office setting using a current word processing program. Projects include medical correspondence, documents and records, reports, forms, and tables. Emphasizes producing error-free copy. *PREREQUISITE:* BTAC 102, BTAC 112 and BTAC 125, all with a grade of 2.0 or higher. RECOMMEND: A typing speed of 60 wpm.

BTAC 212**Computer Application for Teachers (5)**

Assists teachers in integrating computer applications into classroom management. Uses database to generate charts for maintaining grades; a spreadsheet to produce graphs; a word processor to generate form letters; and presentation software to produce slide presentations, speaker notes, outlines, or paper printouts.

BTAC 214**Introduction to Information Security (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. *PREREQUISITE:* BTAC 100 with a grade of 2.0 or higher; or instructor permission. RECOMMEND: BTAC 150 or IT 101.

BTAC 216**Computer Support Internship I (2-5)**

Students assist Business Technologies and Administrative Careers (BTAC) instructors with computer applications and basic hardware functions. *PREREQUISITE:* Instructor's permission.

BTAC 217**Computer Support Internship 2 (2-5)**

Students assist Business Technologies and Administrative Careers (BTAC) instructors with computer applications and basic hardware functions. *PREREQUISITE:* BTAC 216 and instructor's permission.

BTAC 218**Basic Office PC Support (5)**

Focuses on identifying and developing customer service skills while troubleshooting and resolving computer problems within a help-desk environment. Students learn troubleshooting strategies including problem identification, resolution techniques, case-management documentation and protocol. *PREREQUISITE:* BTAC 150 with a grade of 2.0 or higher; or instructor's permission.

BTAC 219**Basic Networking Concepts (5)**

A basic course in the management of a local area network. Identifies the responsibilities of the network system administrator and develops necessary skills. *PREREQUISITE:* BTAC 150 or instructor's permission.

BTAC 220**Technology in the Legal Office (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. *PREREQUISITE:* BTAC 100, BTAC 103 and BTAC 109, all with a grade of 2.0 or higher; Eligible for ENGL 099; or instructor's permission.

BTAC 235**Legal Office Procedures (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. *PREREQUISITE:* BTAC 100, BTAC 102, and BTAC 109, all with a grade of 2.0 or higher. RECOMMEND: BTAC 220 or concurrent enrollment.

BTAC 245**Medical Office Procedures (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. *PREREQUISITE:* Eligible for READ 104.

BTAC 246**Advanced Coding (5)**

Covers advanced case studies using complex code assignment with the International Classification of Diseases (ICD), Current Procedural Terminology (CPT), and Healthcare Common Procedural Coding System (HCPCS) Level II codes. Discusses implications of Diagnostic Related Groups (DRGs) and their relationship to coding assignment and finances. Covers theory and practice in advanced coding problem-solving, data, quality control. Students continue utilization of computerized encoder. *PREREQUISITE:* BTAC 145 and BTAC 146, both with a grade of 2.0 or higher; or instructor's permission.

BTAC 248**Healthcare Reimbursement Methodology (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. *PREREQUISITE:* BTAC 142, BTAC 143, BTAC 145 and BTAC 146, all with a grade of 2.0 or higher; or instructor's permission.

BTAC 250**Office Relations and Procedures (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. *PREREQUISITE:* BTAC 100 and BTAC 130, both with a grade of 2.0 or higher; and eligible for ENGL& 101; or instructor's permission.

BTAC 255**Advanced Word (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. *PREREQUISITE:* BTAC 112 with a grade of 2.0 or higher; or instructor's permission. *RECOMMEND:* A typing speed of 30 wpm.

BTAC 257**Intermediate ICD Coding (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. *PREREQUISITE:* BTAC 145 and BTAC 146 with a grade of 2.0 or higher; or instructor's permission.

BTAC 258**Intermediate CPT/HCPCS Coding (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). *PREREQUISITE:* BTAC 145 and BTAC 146 with a grade of 2.0 or higher; or instructor's permission.

BTAC 259**Medical Encoder (3)**

Provides hands-on code look-up and verification using logic-based computerized encoding systems with coding reference software for ICD, CPT, HCPCS classification systems. In addition, students are exposed to Computer Assisted Coding (CAC) using Natural Language Processing (NLP) software. *PREREQUISITE:* BTAC 145 and BTAC 146 with a grade of 2.0 or higher; or instructor's permission.

BTAC 266**Inside Microsoft Office (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. *PREREQUISITE:* BTAC 112 and BTAC 162; or instructor's permission.

BTAC 297**Independent Study - BTAC (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. *PREREQUISITE:* Instructor's permission.

CARPENTRY TECHNOLOGY (CARP)**CARP 113****Foundations and Floor Framing (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. *PREREQUISITE:* Instructor's permission.

CARP 114**Wall and Roof Framing (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. *PREREQUISITE:* Instructor's permission.

CARP 115**Exterior and Interior Finish (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. *PREREQUISITE:* Instructor's permission.

CARP 153**Home and Performance Testing (5)**

Designed to meet current need for Home Energy Auditors/Analysts. Areas of study include 1) building performance principles and issues, 2) energy consumption and conservation, 3) air and water management principles and practices, 4) home energy performance improvement, and 5) reducing health and safety risks within a residential home. Students learn how to accurately test and evaluate existing homes and prepare write ups for customers/contractors on ways to improve energy consumption, as well as, improve indoor air quality. Students also learn how to test and evaluate existing homes for potential health and safety issues. Upon successful completion of the course, students will be prepared to take the BPI (Building Performance Institute) Energy Analyst exam.

CARP 161**Print Reading (1-3)**

Introduction to reading and interpreting architectural drawings for construction.

CARP 162**Stair Design and Construction (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.

CARP 163**Rafters Design and Framing Level 1 (1-4)**

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.

CARP 164**Intermediate Woodworking and Cabinetry (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. *PREREQUISITE:* INDUS 101 or instructor's permission.

CARP 165**Residential Remodeling Practices (1-4)**

Introduction to residential remodeling practices. Topics include planning, demolition, tying into existing buildings, basic electrical and plumbing practices, permit processes, matching existing finished material and material estimating. Most skill development will take place at off-campus sites where students will work on full-size remodeling project(s).

CARP 166**Deck Construction and Concrete Flatwork (1-4)**

Competency-based course. Introduction to techniques and practices for residential deck and concrete flatwork project. Topics include material selection, construction techniques, International Building Code requirements for both decks and flatwork and creating different types of flatwork finishes.

CARP 167**Material Estimating (1-3)**

A competency-based course. Introduction to material estimating methods. Topics include foundation, framing, exterior and interior material estimating methods and practices.

CARP 168**Green Construction Principles and Practices (1-3)**

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.

CARP 169**Advanced Stair Construction (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.

CARP 170**Advanced Roof Framing (1-4)**

Competency-based/hybrid course that covers the theory and current practice of building complex roof systems including hip and intersecting roofs, irregular hip roofs, dormers, barrel roofs and octagonal and conical roofs.

CARP 171**Advanced Cabinetry and Wood Fabrication (1-6)**

Open content course designed to allow the students to build a project of their choosing in the carpentry lab. Credits are variable from 1 to 6 credits, and awarded based on project complexity and total hours logged on their project. (One credit per 16.5 hours)

CARP 172**Advanced Finish Carpentry (1-4)**

Competency-based/hybrid course. Allows students to build a project of their choosing in the carpentry lab using advanced woodworking techniques. Projects include at a minimum two of the following advanced joinery techniques. Mortise and tenon joinery, dovetail joinery, cope and stick joinery, stopped dados, open mortise, lap joint. Students develop skills in advanced wood finishing. *PREREQUISITE:* CARP 164 or instructor's permission.

CARP 177**Carpentry Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CARP 178**Carpentry Work Experience 2 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CARP 179**Carpentry Work Experience 3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CARP 194**Special Studies-Carpentry (1-13)**

Students study and develop skills to meet student-identified needs within the carpentry trade. *PREREQUISITE:* Instructor's permission.

CHEMISTRY (CHEM)**CHEM& 110****Chemical Concepts with Lab (5)**

An introduction to chemistry for the non-science 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. *PREREQUISITE:* MATH 072; or eligible for MATH 097; and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 121**Introduction to Chemistry (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. *PREREQUISITE:* MATH 072 or eligible for MATH 097; and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 131**Introduction to Organic Chemistry and Biochemistry (5)**

Satisfies allied health program requirements. Covers structure, nomenclature and reactions of organic and biological compounds, and applications to living systems. *PREREQUISITE:* CHEM&121 with a grade of 2.0 or higher or instructor's permission and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 140**General Chemistry Prep with Lab (6)**

Prepares students planning to enroll in the science and engineering majors sequence (CHEM& 161, 162 and 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. *PREREQUISITE:* A grade of 2.0 or higher in MATH 072; or one year of high school algebra; or concurrent enrollment in MATH 097; or eligible for MATH& 141 or higher. Eligible for ENGL& 101. RECOMMEND: Eligible for READ 104. RESTRICTION: Students who have completed one year of high school chemistry may not be able to transfer more than five credits from CHEM& 121, 131 and 161. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 161**General Chemistry with Lab I (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. *PREREQUISITE:* A grade of 2.0 or higher in CHEM& 140 or a one-year high school chemistry course; and concurrent enrollment in MATH& 141 or eligible for MATH& 142 or higher; or instructor's permission. Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 162**General Chemistry with Lab II (6)**

Continuation of CHEM& 161. Covers modern atomic theory, chemical bonding, molecular and electronic structure, valence bond theory, liquids and solids, and intermolecular forces. *PREREQUISITE:* A grade of 2.0 or higher in CHEM& 161 and concurrent enrollment in MATH& 142 or MATH 106; or eligible for MATH& 151 or higher; or instructor's permission. Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 163**General Chemistry with Lab III (6)**

Continuation of CHEM& 162. Covers metals and non-metals, electrochemistry, nuclear reactions and coordination compounds, thermodynamics, kinetics, equilibrium, acid-base and solubility equilibria. *PREREQUISITE:* A grade of 2.0 or higher in CHEM& 162; and eligible for MATH& 151 or higher; or instructor's permission. Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM 177**Chemistry Work Experience (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission; and eligible for ENGL& 101.

CHEM 194**Special Topics-Chemistry 1 (1-5)**

Allows chemistry faculty to teach topics of special interest in chemistry. Not taught on a regular basis. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission. This is a pass/no credit course.

CHEM 195**Special Topics-Chemistry 2 (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. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission.

CHEM& 261**Organic Chemistry with Lab I (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. *PREREQUISITE:* CHEM& 163 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 262**Organic Chemistry with Lab II (6)**

Continuation of CHEM& 261. *PREREQUISITE:* CHEM& 261 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM& 263**Organic Chemistry with Lab III (6)**

A continuation of CHEM& 262. Covers the chemistry of selected classes of biomolecules. *PREREQUISITE:* CHEM& 262 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

CHEM 296**Independent Study-Chemistry 1 (1-5)**

Permits a student to pursue a special field of interest in chemistry under the guidance of an instructor. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission.

CHEM 299**Independent Study-Chemistry 2 (1-5)**

Permits a student to pursue a special field of interest in chemistry under the guidance of an instructor. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission.

CHINESE (CHIN)**CHIN 111****First Year Chinese for Heritage Learners (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

CHIN& 121**Chinese I (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. *PREREQUISITE:* 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 099. Satisfies a humanities requirement for AA-DTA degree.

CHIN& 122**Chinese II (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. *PREREQUISITE:* A grade of 2.0 or higher in CHIN& 121 or equivalent with instructor's permission; and eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

CHIN& 123**Chinese III (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. *PREREQUISITE:* A grade of 2.0 or higher in CHIN& 122 or equivalent with instructor's permission; and eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

COMMUNICATION STUDIES (CMST)**CMST 100****Fundamentals of Oral Communication (5)**

Develops critical thinking and problem-solving skills related to communication in business and organizational settings. Includes job search skills, cover letters, resume writing, and interviewing. Oral activities include interpersonal exercises, group discussions, and giving directions. *PREREQUISITE:* Eligible for ENGL 099; or completion or concurrent enrollment in ENGL 109; or instructor's permission.

CMST& 102**Introduction to Mass Media (5)**

Examines the eight forms of mass media (movies, television, the web, radio, sound recordings, magazines, newspapers and books) and related issues such as advertising, media effects, journalism and media law. Satisfies a humanities requirement for AA-DTA degree.

CMST 177**Communication Studies Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CMST 178**Communication Studies Work Experience 2 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CMST 179**Communication Studies Work Experience 3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CMST 194**Special Studies-Communication Studies (1-5)**

Includes special communication projects that are not part of the regular curriculum. Content varies from course to course, but could include public relations, advertising, organizational design, research grants, and professional publications.

CMST& 210**Interpersonal Communication (5)**

For students who wish to gain greater insight into communication that occurs in more personal relationships in order to better understand and control their own communication behavior, and thus more effectively manage their interpersonal relationships. *PREREQUISITE:* Eligible for ENGL 099; or completion of ENGL 109; or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 212**Persuasion and Propaganda (5)**

An exploration of the art and science of persuasion and propaganda campaigns through the analysis of a series of historical case studies and social movements. Explores how the historical, political, and cultural factors in a situation influence the strategies and tactics that might be employed in a situation. Relates rhetorical choices to ethical considerations and to the long-term impact on a community. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 213**Communication in Social Media (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. Studies the historical significance of social media, self-identity and self-presentation, relationships and choices, social movements, and news consumption. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 215**Critical Analysis of Media (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 217**Communication for Business and Professions (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

CMST& 220**Public Speaking (5)**

A course in public speaking that helps students develops 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. *PREREQUISITE:* Eligible for ENGL 099; or completion of ENGL 109; or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 221**Public Speaking Module (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 100, 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. *PREREQUISITE:* Concurrent enrollment in CMST 100, CMST& 220, or CMST& 230; or instructor's permission for other courses requiring oral presentations.

CMST 222**Coaching and Mentoring Public Speakers (5)**

Offers students who have taken a beginning public speaking course. An opportunity to enhance the public speaking skills learned in their previous course by presenting at least two speeches. Students also learn skills that will enable them to coach other students wishing to improve their presentations. Course also entails a review of the principles of effective public speaking, observing coaching sessions in the Green River Public Speaking Center, and actively coaching other students in the Public Speaking Center. Course is useful for future teachers, as well as any student whose future careers or community involvement will require delivering presentations. *PREREQUISITE:* CMST 220 with a grade of 3.2 or higher; and instructor's permission.

CMST& 230**Small Group Communication (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 238**Intercultural Communication (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

CMST 245**Argumentation (5)**

Introduces and explores the basic theories and practices of argumentation. Discusses the different types of arguments and the tools (theoretical and practical) needed to analyze, understand, and construct arguments. Through in-class projects, students develop the skills necessary to test and apply the theoretical and practical aspects of argumentation. Focuses on the oral presentation of arguments. Uses written work to support and provide context for the oral argumentation practiced in class. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 265**Introduction to Popular Culture (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. Introduces some of the important critiques of culture and covers different theories and critiques to help the students understand popular culture, the consumption of popular culture and/or the effects of popular culture in different contexts (e.g., music, film, advertising, comics, television, etc.) *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

CMST 266**Film and Television as Popular Culture (1-5)**

Studies the dramatic and cinematic aesthetics of modern film and episodic television. Focuses on the examination of popular film and TV dramas and sitcoms for greater understanding of the power and scope of popular culture. Considers the role of pop culture in both society and self-awareness. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

CMST 299**Independent Study–Communication Studies (1-5)**

Encourages a student to study independently in a communication field of their choice. Each student meets on a tutorial basis with the instructor. *PREREQUISITE:* Two courses from the following: CMST 212, 215, &220, &230, 238, 245; a topic that a member of the department is qualified and willing to direct and evaluate, and permission from the division chair and instructor.

CMST 338**Diversity in the Workplace (5)**

Explores and analyzes the issues, challenges and opportunities related to changing demographics and increasing diversity in the workplace. Through intercultural communication theories, concepts, and principles, the course examines ways in which challenges of effective communication in a diverse workplace can be identified and work to develop tools and skills to improve communication competency in these situations. *PREREQUISITE:* Admission to a bachelor's degree program; ENGL& 101; and instructor's permission.

COMPUTATION (ACOMP)**ACOMP 101****Computations for the Trades (5)**

Computational course designed to meet the specific needs of students in the trades/technical programs. Covers basic operations of arithmetic and an overview of applied geometry concepts and their applications to specific trades and the applications of whole numbers, fractions, decimals, percents, ratios, proportions, place value, roots, and basic concepts related to measurement, algebra, and geometry. Appropriate for Auto Body, Automotive, Carpentry, Machinist, and Welding students. Course not intended for transfer to any college-level mathematics sequence at Green River or at any four-year institution. *PREREQUISITE:* TS 053 or appropriate placement score.

ACOMP 115**Technical Algebra/Trigonometry 1 (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. *PREREQUISITE:* MATH 070 with a grade of 2.5 or higher or appropriate math placement.

COMPUTER SCIENCE (CS)**CS 120****Introduction to Programming (2)**

Introduces fundamental concepts of computer science and computational thinking. Includes introduction to logical reasoning, procedural decomposition, problem solving, and abstraction. Also sets the context for further study in numerical methods and computer science programming languages. *PREREQUISITE:* MATH& 142 or concurrent enrollment or higher level MATH; or instructor's permission. Cross-listed with ENGR 120.

CS& 131**Computer Science I C++ (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. *PREREQUISITE:* MATH& 142 or higher; and CS/ENGR 120; or instructor's permission. Satisfies a natural science requirement for AA-DTA degree.

CS 132**C++ Data Structures (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. *PREREQUISITE:* CS& 131 with a grade of 2.0 or higher and MATH& 151. Satisfies a natural science requirement for AA-DTA degree.

CS& 141**Computer Science I Java (5)**

Course uses programming language Java to illustrate concepts in engineering and computer science. Introduces students to problem solving methods, algorithm development, and object-oriented design. Students design, implement, document and debug Java computer programs. *PREREQUISITE:* (CS/ENGR 120 or IT 102 or CS& 131) and MATH& 142 or higher. Satisfies a natural science requirement for AA-DTA degree.

CS 145**Java 2-Data Structures (5)**

A continuation of CS & 141. Uses Java language to cover topics such as classes and interfaces, inheritance, basic design principles, exceptions, stream I/O, user interfaces, recursion, elementary data structures and associated algorithms (lists, queues, stacks, trees); and introduces performance analysis and implementation trade-offs. Successful completion of the course gives students the tools they need to construct substantial computer programs and understand computers and software. Course also provides a good foundation for further study in computer science and engineering. *PREREQUISITE:* CS& 141 with a minimum grade of 2.0. Satisfies a natural science requirement for AA-DTA degree.

COOPERATIVE EDUCATION (COOP)**COOP 171****Work Experience Seminar (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.

COURT REPORTING AND CAPTIONING (CRC)**CRC 101****Machine shorthand Theory 1 (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. *PREREQUISITE:* Instructor's permission.

CRC 102**Machine Shorthand Theory 2 (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. *PREREQUISITE:* CRC 101.

CRC 103**Machine Shorthand Theory 3 (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 95 percent accuracy in a typewritten transcription. *PREREQUISITE:* CRC 102.

CRC 111**Machine Shorthand Literary 60 WPM (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 103 or instructor's permission; and concurrent enrollment in testimony dictation course.

CRC 112**Machine Shorthand Testimony 60 WPM (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. *PREREQUISITE:* CRC 103 or instructor's permission; and concurrent enrollment in literary dictation course.

CRC 121**Machine Shorthand Literary 80 WPM (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 of 95 percent accuracy in transcription. *PREREQUISITE:* CRC 111 or instructor's permission; and concurrent enrollment in testimony dictation course.

CRC 122**Machine Shorthand Testimony 80 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 112 or instructor's permission; and concurrent enrollment in literary dictation course.

CRC 131**Machine Shorthand Literary 100 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 121 or instructor's permission; and concurrent enrollment in testimony and medical dictation courses.

CRC 132**Machine Shorthand Testimony 100 wpm (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. *PREREQUISITE:* CRC 122 or instructor's permission; and concurrent enrollment in literary and medical dictation courses.

CRC 134**Machine Shorthand Medical QA 100 wpm (4)**

Develops skill in writing two-voice medical testimony dictation and reading notes with practice on new and familiar material at 100 wpm with a minimum of 95% accuracy. *PREREQUISITE:* CRC 122 or instructor's permission; and concurrent enrollment in literary and testimony dictation courses.

CRC 141**Machine Shorthand Literary 120 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 131 or instructor's permission; and concurrent enrollment in testimony, jury charge, and medical dictation courses.

CRC 142**Machine Shorthand Testimony 120 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 132 or instructor's permission; and concurrent enrollment in literary, jury charge, and medical dictation courses.

CRC 143**Machine Shorthand Jury Charge 120 wpm (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 95% accuracy in transcription. *PREREQUISITE:* Instructor's permission and concurrent enrollment in literary, testimony, and medical dictation courses.

CRC 144**Machine Shorthand Medical QA 120 wpm (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. *PREREQUISITE:* CRC 134 or instructor's permission; and concurrent enrollment in literary, jury charge, and testimony dictation courses.

CRC 150**Computer-Aided Transcription-Beginning (3)**

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 realtime writing, utilization of resource materials preparatory to writing realtime, updating dictionaries, file maintenance, and litigation support ASCII disks, keyword indexes. Course requires previous computer familiarity. *PREREQUISITE:* Instructor's permission.

CRC 151**Computer-Aided Transcription-Advanced (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 realtime writing options and features, resource material prior to writing realtime, 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. *PREREQUISITE:* CRC 150 or instructor's permission.

CRC 177**Court Reporting/Captioning Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CRC 178**Court Reporting/Captioning Work Experience 2 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CRC 179**Court Reporting/Captioning Work Experience 3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CRC 211**Machine Shorthand Literary 140 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 141 or instructor's permission; and concurrent enrollment in testimony, jury charge, and medical dictation courses.

CRC 212**Machine Shorthand Testimony 140 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 142 or instructor's permission; concurrent enrollment in literary, jury charge, and medical dictation courses.

CRC 213**Machine Shorthand Jury Charge 140 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 143 or instructor's permission; and concurrent enrollment in literary, testimony, and medical dictation courses.

CRC 214**Machine Shorthand Medical QA 140 wpm (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. *PREREQUISITE:* CRC 144 or instructor's permission; and concurrent enrollment in literary, jury charge, and testimony courses.

CRC 221**Machine Shorthand Literary 160 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 211 or instructor's permission; and concurrent enrollment in testimony, jury charge, and medical dictation course.

CRC 222**Machine Shorthand Testimony
160 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 212 or instructor's permission; and concurrent enrollment in literary, jury charge, and medical dictation courses.

CRC 223**Machine Shorthand Jury Charge
160 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 213 or instructor's permission; and concurrent enrollment in literary, testimony, and medical dictation courses.

CRC 224**Machine Shorthand Medical QA
160 wpm (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. *PREREQUISITE:* CRC 144 or instructor's permission; and concurrent enrollment in literary, jury charge, and testimony dictation course.

CRC 231**Machine Shorthand Literary
180 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 221 or instructor's permission; and concurrent enrollment in testimony, jury charge, and CCR Prep dictation courses.

CRC 232**Machine Shorthand Testimony
180 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 222 or instructor's permission; and concurrent enrollment in literary, jury charge, and certification exam prep courses.

CRC 233**Machine Shorthand Jury Charge
180 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 223 or instructor's permission; and concurrent enrollment in literary, testimony, and certification exam prep courses.

CRC 234**Certification Preparation 1 (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 multivoice dictation and practice the role of court reporter during mock depositions and mock trials. Students develop critical-thinking skills pertaining to court reporting situations. *PREREQUISITE:* Instructor's permission and concurrent enrollment in literary, testimony, jury charge dictation courses.

CRC 241**Machine Shorthand Literary
200 wpm (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 95 percent accuracy in transcription. *PREREQUISITE:* CRC 221 or instructor's permission; concurrent enrollment in testimony, jury charge, and RPR Prep dictation courses.

CRC 242**Machine Shorthand Testimony
200 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 232 or instructor's permission; and concurrent enrollment in literary, jury charge, and certification exam prep courses.

CRC 243**Machine Shorthand Jury Charge
200 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 233 or instructor's permission; concurrent enrollment in literary, testimony, and certification exam prep courses.

CRC 244**Certification Prep 2 (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 multivoice 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. *PREREQUISITE:* CRC 234 or instructor's permission; and concurrent enrollment in literary, testimony, and jury charge dictation courses.

CRC 250**Computer-Aided Transcription-
Beginning (3)**

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. *PREREQUISITE:* ENGL 105 and instructor's permission.

CRC 251**Court Reporting Procedures 2 (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. *PREREQUISITE:* CRC 250.

CRC 252**Machine Shorthand Testimony
225 wpm (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 95% accuracy in transcription. *PREREQUISITE:* CRC 242 or instructor's permission; and concurrent enrollment in literary, jury charge, and certification exam prep courses.

CRC 254**Certification Prep 3 (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 multivoice 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. *PREREQUISITE:* CRC 244 or instructor's permission; and concurrent enrollment in testimony dictation course.

CRC 260**Introduction to Captioning/Alternative Careers (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. *PREREQUISITE:* Instructor's permission.

CRC 261**Captioning Practicum I (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. *PREREQUISITE:* CRC 221 and CRC 260; or instructor's permission.

CRC 262**Captioning Practicum 2 (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. *PREREQUISITE:* CPT 261 or instructor's permission.

CRIMINAL JUSTICE (CJ)**CJ & 101****Introduction to Criminal Justice (5)**

Students learn about current events in crime, criminal justice agencies and the response of correctional institutions to criminal offenders. Includes detailed descriptions of the duties and functions of specific actors in the system including victim, offender, police, prosecuting and defense attorneys, courts and corrections. Satisfies a social science requirement for AA-DTA degree.

CJ & 105**Introduction to Corrections (5)**

Examines the progression of correctional practices from the colonial period to the 21st century. Other topics include the role of inmates, correctional officers, and administration. *PREREQUISITE:* CJ& 101 and ENGL& 101 or higher; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

CJ & 110**Criminal Law (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. *PREREQUISITE:* CJ& 101 and ENGL& 101 or higher; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

CJ 115**Fingerprint Science (5)**

Examines fingerprint classification and latent fingerprinting. Intended for anyone interested in the field and as preparation for the "fingerprint technician" position. Basic skills include preparing students for direct entry into the workforce.

CJ 120**Criminal Justice Professions (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.

CJ 177**Criminal Justice Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CJ 178**Criminal Justice Work Experience 2 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CJ 179**Criminal Justice Work Experience 3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

CJ 200**Individual Rights in Criminal Justice (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. *PREREQUISITE:* CJ& 101 and ENGL& 101 or higher; or instructor's permission.

CJ 205**Criminal Evidence (5)**

Covers basic rules of guidance applicable to criminal and other related police duties. Examines evidence and theories of proof including hearsay, documentary proof, self-incrimination, relevance, and presumptions. Emphasizes the exclusionary rule and search and seizure aspects of the Fourth Amendment. *PREREQUISITE:* CJ& 101 and ENGL& 101 or higher; or instructor's permission.

CJ 220**Multicultural Diversity in Criminal Justice (5)**

Addresses the beauty and richness of a culturally diverse population. Discusses uniqueness, diversity, stereotypes, prejudice, and discrimination in relation to criminal justice professionals. *PREREQUISITE:* CJ&101 and ENGL& 101 or higher; or instructor's permission. Satisfies the diversity course requirement for AA-DTA degree.

CJ 236**Community Oriented Policing (5)**

Examines placement of police officers into the community to enhance the relationship between society and law enforcement. In the 21st century, police have found they need to better communicate with citizens. Community oriented policing engages the officer to work with individuals in the community to resolve community crime. *PREREQUISITE:* CJ& 101 and ENGL& 101 or higher; or instructor's permission.

CJ & 240**Introduction to Forensic Science (5)**

Covers many different areas of forensic science that are used today, including the latest methods and technologies used to solve crimes. Class is taught through lecture and expert speakers on topics such as autopsy procedures, arson investigation, explosives, ballistics and toolmarks, and DNA. *PREREQUISITE:* CJ& 101 and ENGL& 101 or higher; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

CJ 294**Special Topics-Criminal Justice (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.

CJ 299**Independent Study-Criminal Justice (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. *PREREQUISITE:* Instructor's permission.

DANCE (DANCE)**DANCE 101****Introduction to Dance (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 an activity or a humanities requirement for AA-DTA degree.

DANCE 102**Dance Technique 1 (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. *PREREQUISITE:* DANCE 101. Satisfies a humanities requirement for AA-DTA degree.

DANCE 103**Dance Technique 2 (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. *PREREQUISITE:* DANCE 102; or 2-3 years ballet training and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

DANCE 110**Pointe Technique (2)**

Emphasizes ballet technique pertaining to pointe work. Develops the skills and practice of relevé, core awareness, balance, strength and flexibility, physical endurance and gracefulness. *PREREQUISITE:* DANCE 103; or 2-3 years of ballet training and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

DANCE 204**Choreography Workshop (3)**

Students present rehearsal and performance of dance works in concert. Students practice advanced dance skills and develops choreography for dance pieces. *PREREQUISITE:* DANCE 101 and 102, or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

DESIGN TECHNOLOGY (D T)**D T 100****Introduction to CADD/CAM (7)**

Introduces computers and software applicable to design drafting-related careers. Primary instruction covers AutoCAD, which is used for computer-aided drafting to create and edit drawings. Includes instruction on file management and an introduction to word processing and basic Excel functions. *PREREQUISITE:* Eligible for ENGL 081 and READ 104; or instructor's permission.

D T 101**Technical Drafting (1-7)**

Fundamental drawing course that provides students with knowledge of drafting tools and techniques. Includes drafting fundamentals, lettering, geometric construction, orthographic projection, isometric drawing, dimensioning, and sectional views. *PREREQUISITE:* Eligible for ENGL 081 and READ 104.

D T 102**Descriptive Geometry (7)**

A geographical process used to analyze space relationships by viewing the object or situation in such a way that the relationship being investigated is actual size and measurable. Students apply descriptive geometry to develop and dimensions primary and secondary auxiliary views of 3-D objects. Students use visualization techniques to develop 3-D pictorial drawings dealing with non-isometric surfaces, irregular shapes and compound angles with the use of the isometric protractor. Covers perspective development, inking techniques, line shading and contrast techniques, and exploded and cut-away views. *PREREQUISITE:* D T 101 and D T 104; or instructor's permission.

D T 104**Machine Drafting 1 (3)**

Fundamental drawing course that provides students with knowledge of orthographic projection, dimensioning, and sectional views. *PREREQUISITE:* Instructor's permission.

D T 105**Design Drafting Careers (2)**

Covers design drafting including the types of jobs, required skills, and degree and certificate programs offered at Green River. Introduces competencies required for design drafting. Students prepare a program of study to achieve their educational goal.

D T 110**Introduction to AutoCAD (4)**

Introduces Computer Aided Drafting (CAD) using the AutoCAD software. Focuses on teaching the commands for creating, editing, and dimensioning 2-D drawing. Discusses methods for creating documents that are accurate and accomplished in a timely manner. Emphasizes file management techniques using Windows Explorer.

D T 113**SolidWorks (5)**

Introduces 3-D CAD model creation using a feature-based, parametric solid modeling design program. Course covers base, boss and cut feature creation using extruded, revolved, simple swept or simple lifted shapes; sketching techniques for capturing design intent using automatic or user-defined geometric and dimensional constraints; building assemblies from created parts; detail and assembly drawings creation and bill of material insertion. *PREREQUISITE:* D T 100 or instructor's permission.

D T 115**Geometric Dimensioning and Tolerancing (4)**

Geometric Dimensioning and Tolerancing (GD&T) is an international technical language of symbols used to describe the function and relationship of a part's feature. The symbology of GD&T, as defined in the ASME Y14.5 standard, is understood and applied by all designing and manufacturing communities. Students learn to recognize, interpret and apply GD&T theories and symbols. Students study applicable mathematical formulas.

D T 116**Introduction to 3D Printing (2)**

Covers the general principles of 3D printing in all of its forms such as extrusion or sintering. Includes instruction on methods of obtaining printable file-types and how to orient files for printing. Focuses on creating 3D-prints from pre-defined models. *PREREQUISITE:* Eligible for READ 104; or instructor's permission.

D T 117**Modeling for 3D Printing (4)**

Covers the basics of 3D modeling including techniques such as extrudes, revolves and sweeps. Create assemblies with the intention of printing in one step. Covers the general principles of 3D printing and the process of designing for printing limitations. *PREREQUISITE:* Eligible for READ 104; or instructor's permission.

D T 125**Civil Drafting 1 (5)**

Introduces civil drafting, symbols, terminology, and standards. Includes development of an engineering drawing from survey notes to its inclusion into a set of construction plans or an engineering report. *PREREQUISITE:* D T 100 and D T 101.

D T 128**International Residential Code (3)**

Students learn general and specific requirements of building codes, particularly as they apply to the residential carpenter, contractor, builder, or homeowner. Covers energy codes, zoning laws, and environmental protection requirements.

D T 129**International Building Code (3)**

Teaches students general and specific requirements of building codes, particularly as they apply to the commercial carpenter, contractor, or builder.

- D T 131**
CAD Across the Industries (7)
Introduces principles, techniques and applications of creating geometry across the different disciplines. Areas of study include a review of selecting views, sectioning and auxiliary views, drafting conventions, format selection, and comparing dimensioning conventions over different industries. Setting DIMVARs in AutoCAD, Cast parts, machine shop practices, purchasing parts, and career opportunity discussions. *PREREQUISITE:* Instructor's permission.
- D T 135**
3D CAD Modeling (5)
Focuses on geometric modeling, display manipulation, geometric analysis, file management, online plotting, and the development of wireframe modeling, surface modeling and solids modeling. Introduces mechanical drafting with an emphasis on dimensioning. UCS control and manipulation. *PREREQUISITE:* Instructor's permission.
- D T 141**
Architectural Drafting 1 (5)
Students develop architectural drafting skills using AutoCAD and manual drafting including site planning, floor plans, wall sections, roof types, and elevations of single-story structures. *PREREQUISITE:* DT 101 and either D T 100 or D T 110.
- D T 142**
BIM Fundamentals using Revit (5)
Introduction to building design using basic features of REVIT Architecture software. REVIT Architecture software can be applied across the whole building design and documentation process including conceptual design, detailed design, building analysis, construction documentation and visualization. Introduces students to the design concept of Building Information Modeling (BIM), and learn to use REVIT's parametric modeling capabilities to incorporate the industry's BIM concepts. *PREREQUISITE:* D T 100 or instructor's permission.
- D T 143**
Intermediate REVIT (4)
Builds on skills and concepts developed in D T 142. Covers schedules and annotating, parametric family creation, DWG integration, complex curtain wall creation and conceptual massing. *PREREQUISITE:* D T 142; or instructor's permission.
- D T 145**
Structural Drafting-Steel (4)
Introduces the study of structural steel drafting. Includes engineering fundamentals, welding symbols, seated and framed connections (both welded and bolted), moment connections, detailing various steel products, and the use of standard industry practices. *PREREQUISITE:* D T 101 or instructor's permission.
- D T 146**
Structural Drafting-Concrete (4)
Introduces the study of structural concrete drafting. Discusses pre-stressed and post-tensioned concrete. Includes engineering fundamentals, reinforcement bar detailing, P/C and P/S concrete products, and connections for P/C and P/S concrete, detailing using standard P/C and P/S concrete building products. *PREREQUISITE:* D T 101 or instructor's permission.
- D T 175**
Drafting Work Experience (3-12)
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Students work at least three hours each week for each credit enrolled and participate in weekly seminars to facilitate personal growth and workplace ethics. This is a pass/no credit course.
- D T 177**
Drafting Work Experience 1 (3)
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Student work at least six hours each week and participate in weekly seminars to facilitate personal growth and workplace ethics. This is a pass/no credit course.
- D T 178**
Drafting Work Experience 2 (3)
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Student work at least six hours each week and participate in weekly seminars to facilitate personal growth and workplace ethics. *PREREQUISITE:* D T 177. This is a pass/no credit course.
- D T 179**
Drafting Work Experience 3 (3)
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Student work at least six hours each week and participate in weekly seminars to facilitate personal growth and workplace ethics. *PREREQUISITE:* D T 178. This is a pass/no credit course.
- D T 180**
Leadership Skills 1 (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. Instruction facilitates the development of personal skills in speaking, applying for a job, conducting business meetings, working on committees, and developing a plan of work.
- D T 181**
Leadership Skills 2 (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. Instruction facilitates the development of personal skills in speaking, applying for a job, conducting business meetings, working on committees, and developing a plan of work.
- D T 182**
Leadership Skills 3 (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. Instruction facilitates the development of personal skills in speaking, applying for a job, conducting business meetings, working on committees, and developing a plan of work.
- D T 199**
Independent Study-Drafting 1 (1-5)
Encourages students to study and develop independently in a special topic area of drafting under the guidance of an instructor. Course content is developed in conference between the student and instructor. Students meet on a tutorial basis with the instructor. *PREREQUISITE:* Instructor's permission.
- D T 200**
Drafting and Design Capstone (3)
Reviews technical materials including sketching, scales, lettering, line weights, geometric construction, orthographic views, auxiliary views, sectional views, dimensions, notes, working drawings, basic welding symbols, fits, tolerances, and architectural terms and standards. Discusses job placement, interviews and portfolios. Helps transition students from an educational setting by providing the tools to succeed in an industry environment. *PREREQUISITE:* D T 131 and D T 135.
- D T 210**
Advanced AutoCAD Development 1 (4)
Introduces the tools and skills necessary to develop advanced utilities to improve your AutoCAD performance. Focuses on learning and mastering basic customization tools. Also teaches a basic understanding of the capabilities and limitations of AutoCAD menus and scripts. *PREREQUISITE:* D T 110 or 131; or instructor's permission.
- D T 225**
Civil Drafting 2 (4)
Teaches advanced civil drafting techniques. Course expands Autodesk's Land Desktop Companion (LDC) civil 3-D modeling concepts started during the D T 125 class. Includes design elements of roadway horizontal and vertical alignments, profiles, grade lines, roadway cross-sections, side slopes, road templates and earthwork volume calculations. Students use industry standards to create plan and profile drawings. *PREREQUISITE:* D T 125 or instructor's permission.

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D T 231

Mechanical Design (CADD) (5)

Teaches advanced principles, techniques and applications of drafting technology required for the preparation of detail and assembly drawings. Course is based on current industry practices and standards. Areas of study include dimensioning and tolerancing geometric form and positional tolerancing, shop processes and procedures, layout drawings including developments and triangulation, piping and tubing drawings, welding and welding symbols, and forging and casting drawings. *PREREQUISITE:* D T 131; or instructor's permission.

D T 232

Drafting and Design Projects (7)

Students determine their area of focus through their own chosen course direction. Students propose projects and/or assigned by the instructor. Projects are selected on the basis of difficulty and completeness. Instructor endeavors to obtain a project from a local construction firm, architectural office, or manufacturing company. Design teams create complete documentation sets for the required discipline. *PREREQUISITE:* D T 131 and D T 135.

D T 237

Mastercam 3-D CAD/CAM (4)

Focuses on rapid prototyping using Mastercam software. Includes creation and editing of 2D geometry, 3-D wireframe modeling, 3-D solid modeling, and 3-D surface modeling. Students use programming 3-D toolpaths from 3-D wireframe models and 3-D derived and composite surface and solid models. Covers toolpath editing including project and trim functions, as well as production of prototype model using the milling machine. Discusses the verification and editing of toolpath programs using rendered backplots. *PREREQUISITE:* Instructor's permission.

D T 241

Architectural Drafting 2 (4)

Develops advanced architectural drafting skills, including multi-level floor plans, stairs and stair sections, foundation plans, floor framing and wall sections, and/or building cross sections. Students complete drafting assignments using AutoCAD and/or manual drafting. *PREREQUISITE:* D T 141 or instructor's permission.

D T 299

Independent Study-Drafting 2 (1-5)

Encourages students to study and develop independently in a special topic area of drafting under the guidance of an instructor. Course content is developed in conference between the student and instructor. Students meet on a tutorial basis with the instructor. *PREREQUISITE:* Instructor's permission.

DRAMA (DRMA)

DRMA& 101

Introduction to Theatre (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. *PREREQUISITE:* Eligible for READ 104. Satisfies a humanities requirement for AA-DTA degree.

DRMA 102

Contemporary American Theatre (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 a humanities requirement for AA-DTA degree.

DRMA 111

Rehearsal and Performance 1 (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 an activity or a humanities requirement for the AA-DTA degree.

DRMA 112

Rehearsal and Performance 2 (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. *PREREQUISITE:* DRMA 111.

DRMA 113

Rehearsal and Performance 3 (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. *PREREQUISITE:* DRMA 112.

DRMA 151

Acting Fundamentals (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 a humanities requirement for AA-DTA degree.

DRMA 152

Acting-Building a Character (5)

Instructs the student in elementary stage techniques for the actor/actress. Focuses on movement, voice, gesture, characteristic mannerisms and stock character types. Satisfies a humanities requirement for AA-DTA degree.

DRMA 153

Acting-Text Analysis (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 an activity or a humanities requirement for AA-DTA degree.

DRMA 154

Improvisation 1 (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 a humanities requirement for AA-DTA degree.

DRMA 155

Improvisation 2 (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.

DRMA 156

Improvisation 3 (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, Paul Sills and others.

DRMA 157

Audition Techniques for Stage and Film (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 a humanities requirement for AA-DTA degree.

DRMA 158

Stage Combat (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 a humanities requirement for AA-DTA degree.

DRMA 211

Rehearsal and Performance 4 (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.

DRMA 212**Rehearsal and Performance 5 (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. *PREREQUISITE:* DRMA 211.

DRMA 213**Rehearsal and Performance 6 (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. *PREREQUISITE:* DRMA 212.

DRMA 298**Independent Study-Drama (1-5)**

Encourages students to study and develop independently their special interests in drama. Students meet on a tutorial basis with their instructor. *PREREQUISITE:* Instructor's permission.

EARLY CHILDHOOD EDUCATION (ECED)**ECED 100****Basic STARS Training (3)**

Offers students the required training set forth by the Washington state Training and Registry System (STARS), a career development system for those who work in child care, early education, and school-age care. Content areas include child growth and development, child guidance, and health and safety.

ECED& 105**Introduction to Early Childhood Education (5)**

Provides an introduction to childhood education from infants through the early elementary years. Includes an overview of various programs, research on effective teaching strategies, cultural and developmentally appropriate practices, resources, and assessment tools. Current issues related to the early learning profession are discussed. Appropriate for those interested in entering the field of early childhood education. Includes optional site visits to various ECE programs.

ECED& 107**Health, Safety and Nutrition (5)**

Explores the interrelated roles of the home, school and community in meeting the health, safety, and nutritional needs of young children. Topics include nutrition, common childhood diseases, immunizations, accident prevention, emergency care, and special health problems. Presents referral procedures in using school and community resources to meet the health and safety needs of children.

ECED 112**Technology in Education (3)**

Students use technology in a manner related to the education field. Appropriate for experienced, as well as inexperienced computer users.

ECED& 120**ECE Practicum 1- Nurturing Relationships (2)**

Apply theories of best practice in an early learning setting with a focus on developing supportive relationships while keeping children healthy and safe. Students observe and interact with children under the age of six. Satisfies an activity requirement for AA-DTA degree.

ECED 124**Early Childhood Education Practicum 2 (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. *PREREQUISITE:* ECED& 120 or instructor's permission. Satisfies an activity requirement for AA-DTA degree.

ECED 125**Introduction to Child Development Associates (3)**

Introduces the Child Development Associates (CDA) process to help students understand the terminology and requirements needed to earn this ECE teaching credential. Covers the first four functional areas and the first competency goal of the CDA process.

ECED 126**Child Development Associate Practicum 1 (3)**

Provides students practical work experience in an educational setting appropriate to the CDA specialization, with the purpose of applying CDA course content. Students are under the guidance and supervision of a college instructor while working with children. *PREREQUISITE:* Concurrent enrollment in any CDA class.

ECED 127**Child Development Associate Practicum 2 (3)**

Provides students practical work experience in an educational setting appropriate to the CDA specialization, with the purpose of applying CDA course content. Students are under the guidance and supervision of a college instructor while working with children. *PREREQUISITE:* ECED 126 and concurrent enrollment in any CDA class.

ECED& 132**Infants and Toddlers-Nurturing Care (3)**

Examines the unique developmental needs of infants and toddlers. Study includes the role of the caregiver, the relationships with families, developmentally appropriate practices, culturally-relevant care and nurturing environments for infants and toddlers.

ECED& 134**Family Child Care (3)**

Learn the basics of program management for home/family child care. Topics include licensing requirements, business management, relationship building, health, safety, nutrition, guiding behavior and promoting growth and development.

ECED& 136**School-Age Care (3)**

Provides skills to create developmentally appropriate and culturally-relevant activities and care for school-age children. Includes guidance techniques, building relationships, supporting academic and social skills, preparing the environment, curriculum development, and community outreach.

ECED& 139**Administration of Early Learning Programs (3)**

Develops administrative skills required to successfully operate an early learning program based on state licensing, early learning initiatives and NAEYC accreditation standards.

ECED 145**Foster Parent Scope (5)**

Taught by a team of professionals. Meets the ongoing in-service training needs of licensed foster parents. Gives attention to the foster parent, the foster child, and to developing effective working relationships with the biological parents and caseworker. Emphasizes developing the guidance and discipline strategies necessary to deal with the special needs of foster children.

ECED 152**Multicultural Books (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.

ECED 155**Exploring Science and Math (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.

ECED& 160**Curriculum Development in Early Childhood Education (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).

ECED 165**Art for Children (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.

ECED& 170**Environments-Young Child (3)**

Students design, evaluate, and improve indoor and outdoor environments which ensure quality learning, nurturing experiences, and optimal development of young children.

ECED 175**Music/Movement Activities (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 child care 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. Satisfies an activity requirement for AA-DTA degree.

ECED& 180**Language and Literacy Development (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.

ECED 181**Montessori Practicum I (4)**

Provides students practical work experience in a Montessori classroom setting for the purpose of applying theoretical knowledge. Students are under the guidance and supervision of a Montessori-certified college instructor while working with children between the ages of 3-6.

ECED 182**Montessori Practicum 2 (4)**

Provides students practical work experience in a Montessori classroom setting for the purpose of applying theoretical knowledge. Students are under the guidance and supervision of a Montessori-certified college instructor while working with children between the ages of 3-6. *PREREQUISITE:* ECED 181 or instructor's permission.

ECED& 190**Observation and Assessment (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.

ECED 194**Early Child Education
Special Topics 1 (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.

ECED 195**Early Child Education
Special Topics 2 (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.

ECED 196**Early Child Education
Special Topics 3 (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.

ECED 211**Introduction to Montessori (4)**

Introduces the Montessori philosophy and method focusing on the 3-6 year old child. Presents practical life and sensorial exercises along with a general overview of Montessori subjects. Uses a contemporary approach to the method with added emphasis on cultural relevancy and anti-bias curriculum practices.

ECED 212**Montessori 2 (4)**

Continues the study of the Montessori philosophy and method focusing on the 3-6 year old child. Presents language and math lessons and exercises along with the continued overview of the Montessori classroom. Uses a contemporary approach to the method with added emphasis on cultural relevancy and anti-bias curriculum practices. *PREREQUISITE:* ECED 211 or instructor's permission.

ECED 213**Montessori 3 (4)**

Concludes the study of the Montessori philosophy and method focusing on the 3-6 year old child. Emphasizes cultural subject's developmentally appropriate practices. Students study environment, equipment, materials, and teacher behaviors that support the Montessori method of education. *PREREQUISITE:* ECED 212 or instructor's permission.

ECED 214**Early Childhood
Education Practicum 2 (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. *PREREQUISITE:* Instructor's permission.

ECED 215**Early Childhood
Education Practicum 3 (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. *PREREQUISITE:* ECED 214 or instructor's permission.

ECED 220**Introduction to Sign Language (2)**

Introduces sign language. Presents alphabet and vocabulary using Signed English. Finger-spelling activities include a variety of games and songs. Satisfies an activity requirement for AA-DTA degree.

ECED 225**Child Development Associate Course
Content (3)**

Helps students meet the requirement for the Child Development Associates (CDA) process, by earning the credits and clock hours required in five of the 13 functional areas. Covers cognitive, communication, creative, self-esteem, and social development.

ECED 230**Child Development Associate Work
Ethics (3)**

Helps students meet the requirements for the Child Development Associates (CDA) process, by earning the credits and clock hours specific to the last four functional areas and four of the competency goals. Covers guidance and discipline, working with families, program management, and professionalism.

ECED 250**Early Childhood Education Final
Practicum (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. *PREREQUISITE:* Instructor's permission.

ECED 260**CDA Performance Documentation (3)**

Provides students with information to help them prepare their Child Development Associates (CDA) resource file for submittal in order to apply for the nationally-recognized CDA credential. Helps students understand, define, and clarify the requirements established by the CDA Council. Instructor observes and assesses each student at their early learning workplace, documenting the student's performance as it relates to CDA standards. May be taken in conjunction with one of the other CDA courses. Students may use this course to satisfy five credits of practicum in their ECE certificate or degree. *PREREQUISITE:* ECED 125, ECED 225, and ECED 230; or instructor's permission.

ECED 265**Supervised Montessori Teaching (4)**

Provides an opportunity for leadership experience in a Montessori setting with the purpose of applying the Montessori philosophy and method in all areas of the classroom. Students are under the guidance and supervision of a Montessori-certified college instructor working with children between the ages of 3-6. *PREREQUISITE:* ECED 211, 212, and 213; or instructor's permission.

ECED 294**Special Topics-Education in Early Childhood 4 (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.

ECED 295**Special Topics-Education in Early Childhood 5 (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.

ECED 296**Special Topics-Education in Early Childhood 6 (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.

ECED 297**Montessori Intensive (6)**

An intensive overview of the Montessori Method of Education that includes a synopsis of the entire Montessori curriculum for children ages 3-6 years. Through online study, video-viewing, field trips, and four full days of face to face instruction, students will be introduced into both the theory and practice of the system. Course is appropriate for those who are either new or experienced to the study of Montessori.

ECONOMICS (ECON)**ECON 100****Economic Principles and Applications (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 200. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ECON 101**Economics of Competition (5)**

Study of scarcity, competition, costs, prices, and profits with specific attention to resources, unions, business and government. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ECON 194**Special Topics-Economics (1-5)**

Focuses on a special topic such as inflation, unemployment, population growth, environmental pollution, energy, taxation, discrimination, poverty, crime, health care, or energy. Occasionally, a single course may cover several of these topics. Consists of lectures, class and small group discussions, and student presentations. Students use economic concepts in course presentations. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

ECON& 201**Micro Economics (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. *PREREQUISITE:* ECON& 202 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ECON& 202**Macro Economics (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. *PREREQUISITE:* Eligible for ENGL& 101 and MATH 147; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

ECON 298**Independent Study-Economics 1 (5)**

Enables students individually to pursue special interests or opportunities in economics under guidance of an instructor. *PREREQUISITE:* At least one 200-level course in ECON and instructor's permission.

ECON 299**Independent Study-Economics 2 (5)**

Enables students individually to pursue special interests or opportunities in economics under guidance of an instructor. *PREREQUISITE:* At least one 200-level course in ECON and instructor's permission.

EDUCATION (EDUC)**EDUC& 115****Child Development (5)**

Provides study of developmental tasks and characteristics of infants and children. Course uses current research that includes the influence of culture on development, as well as other environmental influences. Includes observation techniques.

EDUC& 130**Guiding Behavior (3)**

Explores the positive guidance and discipline techniques that are developmentally appropriate and culturally sensitive. Discusses theories and styles of discipline with an emphasis on building positive self-esteem in children.

EDUC& 150**Child, Family and Community Relationship (3)**

Studies the relationship between parents and ECE workers and the impact this relationship has on professionalism. Emphasizes the communication skills and attitudes that allow the ECE worker to develop mutually respectful relationships with parents, co-workers and community.

EDUC 191**The Role of the Paraeducator (3)**

Based on the Washington state Paraeducator standards, this course introduces students to the training needed to work as effective members of an instructional team in the P-12 system. Provides an understanding of direct services to children and youth, including youth with disabilities. Introduces the student to the roles, responsibilities, and techniques of certified/licensed staff and paraeducators.

EDUC 194**Education Special Topics 1 (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.

EDUC 195**Education Special Topics 2 (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.

EDUC 196**Education Special Topics 3 (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.

EDUC& 204**Exceptional Child (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.

EDUC& 205**Introduction to Education with Field Experience (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. Also includes 33 hours of a required, supervised placement in an elementary, middle or high school or documentation of previous experience totaling 33 hours.

EDUC 210**Assisting Practicum (3-6)**

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. Satisfies an activity requirement for AA-DTA degree.

EDUC 240**Multicultural/Anti-Bias Issues in Education (3-5)**

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.

EDUC 245**Challenging Behaviors in Young Children (2)**

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.

EDUC 270**Teacher Portfolio Review (2)**

Provides an independent study follow up course to EDUC& 205. Elementary and secondary education students continue to document their participation in activities related to teacher education and Green River's campus wide learning outcomes. These experiences are documented in a portfolio. *PREREQUISITE:* EDUC& 205 and 60 or more credits.

EDUC 293**Issues of Child Abuse (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 child care settings and schools.

EDUC 294**Education Special Topics 4 (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.

EDUC 295**Education Special Topics 5 (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.

EDUC 296**Education Special Topics 6 (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.

EMERGENCY MEDICAL TECHNICIAN (EMT)**EMT 101****Emergency Medical Technician (12)**

Teaches students the roles and responsibilities of the Emergency Medical Technician according to state and King county standards and requirements. Students develop skills in patient evaluation and other emergency medical procedures. Graduates of this program are eligible to take the National Registry Exam to qualify for state certification after meeting the Washington state requirement of employment.

ENGINEERING (ENGR)**ENGR 100****Careers in Engineering (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.

ENGR& 104**Introduction to Design (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 a natural science requirement for AA-DTA degree.

ENGR 106**Introduction to Engineering Problems (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. *PREREQUISITE:* MATH& 142 or equivalent. Satisfies a natural science requirement for AA-DTA degree.

ENGR& 114**Engineering Graphics (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.

ENGR 120**Introduction to Programming (2)**

Introduces fundamental concepts of computer science and computational thinking. Includes introduction to logical reasoning, procedural decomposition, problem solving, and abstraction. Sets the context for further study in numerical methods and computer science programming languages. *PREREQUISITE:* MATH& 142 or higher or concurrent enrollment; or instructor's permission. Cross-listed with CS 120.

ENGR 140**Engineering Materials (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. *PREREQUISITE:* CHEM& 161 or concurrent enrollment. Satisfies a natural science requirement for AA-DTA degree.

ENGR 177**Engineering Work Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

ENGR 178**Engineering Work Experience 2 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

ENGR 179**Engineering Work Experience 3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

ENGR 198**Independent Study-Computer Programming 1 (1-5)**

Encourages students to study independently and develop their special interest in computer programming. *PREREQUISITE:* Instructor's permission.

ENGR 199**Independent Study-Computer Programming 2 (1-5)**

Students design, build and test a special project. With the approval of an engineering instructor, students select the project. Course permits students to explore a field of special interests under the guidance of an instructor. *PREREQUISITE:* Instructor's permission.

ENGR& 204**Electrical Circuits (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. *PREREQUISITE:* MATH& 153 and PHY& 222. Satisfies a natural science requirement for AA-DTA degree.

ENGR& 214**Statics (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. *PREREQUISITE:* ENGR 106 and MATH& 152; or concurrent enrollment. Satisfies a natural science requirement for AA-DTA degree.

ENGR& 215**Dynamics (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. *PREREQUISITE:* ENGR& 214, MATH& 152 and PHYS& 221. Satisfies a natural science requirement for AA-DTA degree.

ENGR& 224**Thermodynamics (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. *PREREQUISITE:* CHEM& 161 and MATH& 152, or PHYS& 221. Satisfies a natural science requirement for AA-DTA degree.

ENGR& 225**Mechanics of Materials (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. *PREREQUISITE:* ENGR& 214; and MATH& 153 or concurrent enrollment. Satisfies a natural science requirement for AA-DTA degree.

ENGR 250**Numerical Methods Using MATLAB (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, ENGR& 225 and ENGR& 215), Thermodynamics (ENGR& 224), and Fundamentals of Electrical Engineering (ENGR& 204). *PREREQUISITE:* MATH& 254 and one of the following: CS/ENGR 120 or CS& 131 or &141.

ENGLISH (ENGL)**ENGL 080****English Express (2)**

An academic support class designed to help develop students with their reading and writing skills in ENGL 081/READ 094. Class may utilize support services. *PREREQUISITE:* Concurrent enrollment in ENGL 081 and READ 094, a learning community class.

ENGL 081**Fundamentals of Written Communication (5)**

A writing course that focuses on the skills designed to prepare students for ENGL 099 or professional/technical degrees. Introduces students to the writing process so they can write well-organized and developed paragraphs and short essays. Students study grammar, basic sentence structure, mechanics, punctuation, and improve vocabulary and spelling. Students also read works that include various rhetorical structures and themes in order to improve critical reading and writing skills. *PREREQUISITE:* BASIC 060 or appropriate Reading placement score. Note: Some students from certain school districts are eligible for the transcript placement option.

ENGL 090**Spelling Improvement (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.

ENGL 091**Vocabulary Improvement (3-5)**

Offers students the opportunity to improve their vocabularies. Lectures and discussions introduce basic techniques and guidelines for vocabulary development.

ENGL 092**Composition Skills: Mechanics and Paragraphs (1-2)**

An individualized course for improvement of skills in composition. Students work to improve punctuation, sentence structure, paragraph writing, short essay construction or other fundamental composition techniques. Students strengthen writing skills by reading examples of good writing as illustrated in published essays. *PREREQUISITE:* Eligible for ENGL 081. This is a pass/no credit course.

ENGL 097**English Express: Integrating Reading and Writing (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. *PREREQUISITE:* Appropriate placement score.

ENGL 098**Bridge to College English (5)**

A skill building class to help students move from ENGL 081 and READ 094 to college-level English skills classes. Students learn to use basic skills to improve reading skills in vocabulary, fluency and comprehension and to improve writing skills in sentence, paragraph and essay construction. *PREREQUISITE:* ENGL 081 or 100 or READ 094 or instructor's permission.

ENGL 099**Introductory Composition (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. *PREREQUISITE:* (READ 094 and ENGL 081) or ENGL 097, all with a grade of 2.0 or higher; or appropriate English/reading placement; or instructor's permission.

ENGL& 101**English Composition I (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. Satisfies basic skills requirement for AA-DTA degree. *PREREQUISITE:* READ 104 and ENGL 099, with a grade of 2.0 or higher; or appropriate English/reading placement score. Satisfies basic skills requirement for AA-DTA degree.

ENGL 103**Composition Skills: College Writing (1-3)**

An individualized course for improvement of skills relating to drafting, revising and presenting focused writing assignments including essays, reports, and other academic writing assignments. Students may also strengthen writing skills by reading examples of good writing as illustrated in published essays. *PREREQUISITE:* Eligible for ENGL 099. This is a pass/no credit course.

ENGL 105**Grammar and Usage (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.

ENGL 106**Vocabulary Mastery (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. *PREREQUISITE:* ENGL 091, eligible for READ 104, or instructor's permission.

ENGL 107**Elements of Composition (1)**

Offers instruction in discrete elements of effective academic writing, such as punctuation usage, sentence-level clarity, essay structure, documentation and source composition as determined by programmatic need or demand.

ENGL 108**Medical Terminology (1-2)**

Emphasizes vocabulary skills using medical terminology and phrases. Students learn to read, pronounce and spell medical terms correctly. Recognize and understand the meaning of medical terms through learning roots, prefixes and suffixes, and word-building systems. Designed primarily for Health Occupations and Court Reporting program majors; however, course is useful for anyone desiring a background in the language of medicine. *PREREQUISITE:* ENGL 090, spelling pretest score of 80 percent, or instructor's permission.

ENGL 109**Writing for Trades and Career/Technical Degrees (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. *PREREQUISITE:* ENGL 081, or eligible for READ 104, or instructor's permission.

ENGL & 112**Introduction to Fiction (5)**

Increases understanding and appreciation of fiction through intensive reading and analysis of short stories. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL & 113**Introduction to Poetry (5)**

Increases understanding and appreciation of poetry through a study of poetic techniques and through extensive readings in various poetic forms by selected poets. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL & 114**Introduction to Drama (5)**

Increases understanding and appreciation of drama through extensive reading and analysis. Readings include, but not limited to, plays from Greek theater, plays from the Renaissance, and plays from modern playwrights. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

ENGL 115**Introduction to Novels (5)**

Study of various novels with emphasis on how to read, enjoy and understand the works. Includes selected works of significant English, European, and American novelists from Cervantes to the present. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 117**Accelerated Support for ENGL& 101 Success (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. *PREREQUISITE:* Concurrent enrollment in ENGL& 101; ENGL 097 with a grade of 2.0 or higher; Reading placement score; or high school transcript evaluation; or ENGL 080 with a grade of 2.0 or higher; or instructor's permission.

ENGL 126**Writing: Humanities (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. *PREREQUISITE:* A grade of 2.0 in ENGL& 101. Satisfies basic skills requirement for AA-DTA degree.

ENGL 127**Writing: Social Science (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. *PREREQUISITE:* A grade of 2.0 or higher in ENGL&101. Satisfies basic skills requirement for AA-DTA degree.

ENGL 128**Research Writing: Science/Engineering/Business (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. *PREREQUISITE:* A grade of 2.0 or higher in ENGL& 101. Satisfies basic skills requirement for AA-DTA degree.

ENGL 160**Literature By and About Women (5)**

Introduces writings by and about women. Studies cultural/historical concepts and paradigms that have impacted women's concepts of them, of their relationships to men, and of their relationships to the general cultures that surround them. Introduces students to writers from various literary periods and from various nations and cultures. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 161**Cultures of Desire (5)**

Examines literary and cultural representations of desire—including love, the erotic, sexuality, the body, the spirit, and community-across various traditions, historical periods, and locations. Literal text may be studied comparatively with mythologies, religions, scientific discourses, the arts, popular culture, and/or cyberspace. Critical questions include language, identity, hegemony, diversity, and/or freedom, among others. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 163**The Poetics of Rap and Hip Hop (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 164**Film as Literature (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

ENGL 165**Introduction to the Myths of the World (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 168**Introduction to Irish Literature (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 180**Children's Literature (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 181**Literary Approaches to Pop Culture (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 183**Literary Approach to Mystery/Detective Fiction (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 185**Literary Approaches to the Bible (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 187**Paradise and Hell as Literary Concepts (5)**

A study of the cultural and artistic visions (secular and religious) of heaven and hell. Begins with a study of theoretical explorations of the human need to conceptualize ideal and abhorrent worlds, including, but not limited to, those of Morse Peckman, Northrop Frye, D.H. Lawrence, and Joseph Campbell. Class also studies and analyzes visions of heaven and hell in paintings, song lyrics, essays, poems, and prose fiction from various cultures and cultural epochs. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 190**Adolescent Literature (5)**

Deals with elements of literature as applied to adolescent 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 poetry and prose written for adolescents. Addresses visual communication through analysis of illustrations accompanying the texts. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

ENGL 194**Special Studies-English (1-5)**

Course content varies each time it is offered. May include such studies as Literature of the American West, Afro American Literature, contemporary novels or poets or other topics related to literature or media where need and interest are expressed.

ENGL 199**Independent Study-English 1 (1-5)**

Encourages a student to work on a project related to a specific English course. The project must increase the student's knowledge in the specified course. Specific requirements and directions for writing a proposal are on file with the English Division. *PREREQUISITE:* Instructor's permission.

ENGL& 220**Introduction to Shakespeare (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 226**British Literature I: 7th to 16th Century (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 227**British Literature II: 17th to 18th Century (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 228**British Literature III:
19th to 21st Century** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 235**Introduction to****Technical Communication** (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 and communication, including instructions, proposals, and discipline-specific and/or client-based research projects, using a variety of media. Emphasizes the purpose and audience, as well as clarity, concision, and communication design. *PREREQUISITE:* ENGL& 101 with a grade of 2.0 or higher; and instructor's permission. Satisfies a basic skills requirement for AA-DTA degree.

ENGL& 236**Creative Writing I** (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 a humanities requirement for AA-DTA degree.

ENGL& 237**Creative Writing II** (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). *PREREQUISITE:* ENGL& 236. Satisfies a humanities requirement for AA-DTA degree.

ENGL 239**Esipal Workshop** (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.

ENGL& 244**American Literature I: American
Literature to 1860** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 245**American Literature II:
Civil War to WWI** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 246**American Literature III:
WWI to Present** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 247**American Ethnic Literature** (5)

A study of American literature by ethnic writers, including selections from Native American, African American, Latino, 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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 248**African-American Literature** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 249**U.S. Latino Literature** (5)

Examines the literary and cultural traditions of the Chicana/o, 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 Latino 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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 250**U. S. Indigenous Literatures** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 251**Asian American Literatures** (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL& 254**World Literature I: Ancient World** (5)

An historical and critical survey of selected works of the ancient world with representative writing from a diversity of places and periods. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 255**World Literature II: 7th to 18th Century** (5)

An historical and critical survey of selected works of world literature of the seventh through the 18th centuries from a diversity of cultures. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

ENGL& 256**World Literature III:
19th to 21st Century** (5)

An historical and critical survey of selected works of World literature (focusing on European and non-western) of the 19th through the 21st centuries from a diversity of cultures. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 257**Non-Western World Literature (5)**

A study of various genres of literature from the non-Western world, including Africa, Asia, the Middle East, the Caribbean, and/or Latin America. 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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

ENGL 264**Shakespeare on Film (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). *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

ENGL 299**Independent Study-English 2 (1-5)**

Encourages students to work on a project in a field of their special interest in English. Students must complete course work in the area of the proposed independent study. Specific requirements and directions for writing a proposal are on file with the English Division. *PREREQUISITE:* Permission of division chairperson and instructor supervising project.

ENGL 335**Advanced Technical Writing (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. *PREREQUISITE:* Admission into a bachelor's degree program; ENGL& 101 and instructor's permission.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)**ESOL 010****English for Speakers of Other Languages-Literacy (1-15)**

Beginning-level of ESOL for students who are permanent residents of Washington state. These students have limited literacy or are non-literate in their own language. Students begin to learn letters and numbers. Students learn some basic words and phrases. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 011**English for Speakers of Other Languages Level 1 (1-18)**

Low-beginning level of ESOL for students who are permanent residents of Washington State. These students are generally literate in their first language, but have no English or limited English. These students may have some verbal skills, but little or no reading or writing skills. Students study the alphabet, phonics, the calendar, numbers, family vocabulary and communicating basic personal information both orally and in writing. Students learn organizational skills and learn to function in a classroom setting. *PREREQUISITE:* ESOL 010, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 012**English for Speakers of Other Languages Level 2 (1-18)**

Beginning-level of ESOL for students who are permanent residents of Washington state. Students study time, money, family, be verbs, and other common present tense verbs. Students begin to understand and use more authentic speech in describing their daily activities. Students read short simplified paragraphs on everyday subjects and write simple sentences on familiar topics. Students learn organizational skills and learn to function in a classroom setting. *PREREQUISITE:* ESOL 011, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 013**English for Speakers of Other Languages Level 3 (1-18)**

High-beginning level of ESOL for students who are permanent residents of Washington state. Students begin to understand simple spoken or written learned phrases and new phrases containing familiar vocabulary. Students express essential survival needs including asking questions and communicating personal information. Students write short sentences on familiar subjects and fill out basic personal information on forms. Students learn organizational skills and learn to function in a classroom setting. *PREREQUISITE:* ESOL 012, placement test and instructor's permission. This is a pass/no credit course.

ESOL 014**English for Speakers of Other Languages Level 4 (1-15)**

Low-intermediate level of ESOL for students who are permanent residents of Washington state. Students listen to and talk about familiar topics relating to their community and work, and read multi-paragraph texts and simple stories. Students use vocabulary and grammar to write a narrative paragraph on familiar subjects, and express their needs including asking questions and communicating personal information. *PREREQUISITE:* ESOL 013, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 015**English for Speakers of Other Languages Level 5 (1-15)**

Intermediate level of ESOL for students who are permanent residents of Washington state. Students listen to English on a wide-range of topics relating to their community and work and participate in small-group conversations. Students read simplified materials, begin to read independently, and write simple multi-paragraph narratives. Students use vocabulary and grammar to speak and write effectively. Students use language-learning strategies to assume a productive role in their community, participate fully in family and work situations, and succeed in pursuit of vocational or academic goals. *PREREQUISITE:* ESOL 014, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 016**English for Speakers of Other Languages Level 6 (1-15)**

Advanced level of ESOL for students who are permanent residents of Washington state. Students listen to native-speaker level of English for authentic purposes, participate in discussions, and give short presentations. Students read extended English passages and write basic essays on many topics. Students complete a variety of projects to increase their language skills in preparation for transitioning to work, community life, or further education. *PREREQUISITE:* ESOL 015, placement test and instructor's permission. This is a pass/no credit course.

ESOL 017**Community-Based ESOL Level 1 (1-10)**

Low-beginning level community-based English class for ESOL students who are permanent residents of Washington state. These students are generally literate in their first language, but have no English or limited English. These students may have some verbal skills, but little or no reading/writing skills. Students study phonics, reading, writing, speaking and listening. Students learn organizational skills, how to function in a classroom, and work collaboratively with classmates, aides and teachers. *PREREQUISITE:* Placement test and instructor's permission. This is a pass/no credit course.

ESOL 018**Community-Based ESOL Level 2 (1-10)**

Beginning-level community-based English class for ESOL students who are permanent residents of Washington state. These students are generally literate in their first language, but have no English or limited English. These students may have some verbal skills, but little or no reading/writing skills. Students study phonics, reading, writing, speaking and listening. Students learn organizational skills, how to function in a classroom, and work collaboratively with classmates, aides and teachers. *PREREQUISITE:* ESOL 017, or placement test and instructor's permission. This is a pass/no credit course.

ESOL 019**Community-Based ESOL Level 3 (1-10)**

High-beginning level community-based English class for ESOL students who are permanent residents of Washington state. These students are generally literate in their first language, but have no English or limited English. These students may have some verbal skills, but little or no reading/writing skills. Students study phonics, reading, writing, speaking and listening. Students learn organizational skills, how to function in a classroom, and work collaboratively with classmates, aides and teachers. *PREREQUISITE:* ESOL 018, or placement test and instructor's permission. This is a pass/no credit course.

ESOL 020**English for Speakers of Other Languages– Multi-Level 4 (1-15)**

Low-intermediate level of ESOL for students who are permanent residents of Washington state. Students work on developing fluency in all language skills. Students listen to and talk about familiar topics relating to their community, work, and school. Students read multi-paragraph texts and simple stories. Students expand their vocabulary on familiar subjects. For writing, students compose and begin to edit simple paragraphs on familiar topics. *PREREQUISITE:* ESOL 013, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 021**English for Speakers of Other Languages– Multi-Level 5 (1-15)**

Intermediate level of ESOL for students who are permanent residents of Washington state. Students work on developing fluency and accuracy in all language skills. Students listen to English on a wide range of topics relating to their community, work and school and participate in small-group conversations. Students read extended texts and stories independently and begin to summarize main ideas. Students begin to use context to learn new vocabulary. For writing, students compose, revise and edit simple multi-paragraph narratives. *PREREQUISITE:* ESOL 014, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 022**English for Speakers of Other Languages– Multi-Level 6 (1-15)**

Advanced low-level of ESOL for students who are permanent residents of Washington state. Students work on developing fluency and accuracy in all language skills. Students listen to English on a wide range of topics for authentic purposes and participate in discussions. Students read extended texts and stories and identify and summarize main ideas. Students use context to learn new vocabulary and learn related words and word families. For writing, students compose, revise and edit extended narratives on many topics. *PREREQUISITE:* ESOL 015, placement test, and instructor's permission. This is a pass/no credit course.

ESOL 031**English for Speakers of Other Languages– Conversation Levels 1 (1-5)**

Provides low-beginning ESOL students with language practice opportunities to share ideas, opinions and experiences. Students become active participants in conversations and improve their ability to manage conversations. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 032**English for Speakers of Other Languages– Conversation Levels 2 (1-5)**

Provides low-beginning ESOL students with language practice opportunities to share ideas, opinions and experiences. Students become active participants in conversations and improve their ability to manage conversations. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 033**English for Speakers of Other Languages– Conversation Levels 3 (1-5)**

Provides low-beginning ESOL students with language practice opportunities to share ideas, opinions and experiences. Students become active participants in conversations and improve their ability to manage conversations. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 046**English Grammar for Level 2 (1-5)**

Helps ESOL students to understand and use English grammar for discussion and writing. Students study grammatical forms and learn to communicate clearly and effectively for a variety of purposes in both academic and social contexts. For students who enjoy learning a language by studying and using the rules of language. *PREREQUISITE:* Eligible for ESOL 012, or instructor's permission. This is a pass/no credit course.

ESOL 047**ESOL Conversation Support Level 4 (1-5)**

Provides additional support for current students in ESOL 014 who need to improve their conversational skills. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 048**ESOL Conversation Support Level 5 (1-5)**

Provides additional support for current students in ESOL 015 who need to improve their conversational skills. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 049**ESOL Conversation Support Level 6 (1-5)**

Provides additional support for current students in ESOL 016 who need to improve their conversational skills. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 050**Technology Assisted Language Learning Levels 1 (1-5)**

Provides students at all levels of English with opportunities to learn and use English through technology, extensive reading, and conversation groups. As they use technology, ESOL students enhance the ESOL language instruction they receive in other classes, and discover new ways to improve their language learning skills. Students become familiar with the basic computing skills needed as a worker, community member, family member and student. Students study individually, with the instructor, in small groups, and together as a whole class. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 051**Technology Assisted Language Learning Levels 2 (1-5)**

Provides students at all levels of English with opportunities to learn and use English through technology, extensive reading, and conversation groups. As they use technology, ESOL students enhance the ESOL language instruction they receive in other classes, and discover new ways to improve their language learning skills. Students become familiar with the basic computing skills needed as a worker, community member, family member and student. Students study individually, with the instructor, in small groups, and together as a whole class. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 052**Technology Assisted Language Learning Levels 3 (1-5)**

Provides students at all levels of English with opportunities to learn and use English through technology, extensive reading, and conversation groups. As they use technology, ESOL students enhance the ESOL language instruction they receive in other classes, and discover new ways to improve their language learning skills. Students become familiar with the basic computing skills needed as a worker, community member, family member and student. Students study individually, with the instructor, in small groups, and together as a whole class. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 053**Technology Assisted Language Learning Levels 4 (1-5)**

Provides students at all levels of English with opportunities to learn and use English through technology, extensive reading, and conversation groups. As they use technology, ESOL students enhance the ESOL language instruction they receive in other classes, and discover new ways to improve their language learning skills. Students become familiar with the basic computing skills needed as a worker, community member, family member and student. Students study individually, with the instructor, in small groups, and together as a whole class. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 054**Technology Assisted Language Learning Levels 5 (1-5)**

Provides students at all levels of English with opportunities to learn and use English through technology, extensive reading, and conversation groups. As they use technology, ESOL students enhance the ESOL language instruction they receive in other classes, and discover new ways to improve their language learning skills. Students become familiar with the basic computing skills needed as a worker, community member, family member and student. Students study individually, with the instructor, in small groups, and together as a whole class. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 055**Technology Assisted Language Learning Levels 6 (1-5)**

Provides students at all levels of English with opportunities to learn and use English through technology, extensive reading, and conversation groups. As they use technology, ESOL students enhance the ESOL language instruction they receive in other classes, and discover new ways to improve their language learning skills. Students become familiar with the basic computing skills needed as a worker, community member, family member and student. Students study individually, with the instructor, in small groups, and together as a whole class. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 062**ESOL Writing Support Level 2 (1-5)**

For current students in ESOL Level 2 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 063**ESOL Writing Support Level 3 (1-5)**

For current students in ESOL Level 3 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 064**ESOL Writing Support Level 4 (1-4)**

For current students in ESOL 014 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 065**ESOL Writing Support Level 5 (1-4)**

For current students in ESOL 015 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 066**ESOL Writing Support Level 6 (1-4)**

For current students in ESOL 016 who want to improve their writing skills, and especially for students who have stronger speaking/listening skills than reading/writing skills for their level. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 072**ESOL Intensive Writing Level 2 (1-15)**

For ESOL Level 2 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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 073**ESOL Intensive Writing Level 3 (1-15)**

For ESOL Level 3 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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 074**ESOL Intensive Writing Level 4 (1-15)**

For ESOL Level 4 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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

ESOL 082**On-Ramp to Healthcare Level 2 (1-18)**

Provides beginning level ESOL students with the tools they need in order to prepare for an IBEST healthcare class or to take their next steps towards college level classes. Focuses on developing and improving reading, writing, listening, and speaking in English to enhance students' prospects for successfully completing an IBEST program. *PREREQUISITE:* ESOL 011, placement test, or instructor's permission. This is a pass/no credit course.

ESOL 083**On-Ramp to Healthcare Level 3 (1-18)**

Provides high-beginning level ESOL students with the tools they need in order to prepare for an IBEST healthcare class or to take their next steps towards college level classes. Focuses on developing and improving reading, writing, listening, and speaking in English to enhance students' prospects for successfully completing an IBEST program. *PREREQUISITE:* ESOL 012, placement test, or instructor's permission. This is a pass/no credit course.

ESOL 084**On-Ramp to Early Childhood Level 2 (1-18)**

Provides high-beginning level ESOL students with the tools they need in order to prepare for an IBEST early childhood class or to take their next steps towards college level classes. Focuses on developing and improving reading, writing, listening, and speaking in English to enhance students' prospects for successfully completing an IBEST program. *PREREQUISITE:* ESOL 011, placement test, or instructor's permission. This is a pass/no credit course.

ESOL 085**On-Ramp to Early Childhood Level 3 (1-18)**

Provides high-beginning level ESOL students with the tools they need in order to prepare for an IBEST early childhood class or to take their next steps towards college level classes. Focuses on developing and improving reading, writing, listening, and speaking in English to enhance students' prospects for successfully completing an IBEST program. *PREREQUISITE:* ESOL 012, placement test, or instructor's permission. This is a pass/no credit course.

ESOL 086**On-Ramp to Early Childhood Level 4 (1-18)**

Provides intermediate level ESOL students with the tools they need in order to prepare for an IBEST early childhood class or to take their next steps towards college level classes. Focuses on developing and improving reading, writing, listening, and speaking in English to enhance students' prospects for successfully completing an IBEST program. *PREREQUISITE:* ESOL 013, placement test, or instructor's permission. This is a pass/no credit course.

ESOL 087**On-Ramp to Healthcare Level 4 (1-18)**

Provides intermediate level ESOL students with the tools they need in order to prepare for an IBEST early childhood class or to take their next steps towards college level classes. Focuses on developing and improving reading, writing, listening, and speaking in English to enhance students' prospects for successfully completing an IBEST program. *PREREQUISITE:* ESOL 013, placement test, or instructor's permission.

ESOL 091**Special Topics 1 (1-15)**

Prepares ESOL students to enter an IBEST program. Course content varies each time it is offered. It may include English language skills for specific content areas such as Early Childhood Education, Welding, or Health Services. For ESOL students in Level 1. This is a pass/no credit course.

ESOL 092**Special Topics Levels 2 (1-15)**

Prepares ESOL students to enter an IBEST program. Course content varies each time it is offered. It may include English language skills for specific content areas such as Early Childhood Education, Welding, or Health Services. For ESOL students in Levels 2-3. *PREREQUISITE:* Appropriate assessment score and instructor's permission. This is a pass/no credit course.

ESOL 093**Special Topics Levels 3 (1-15)**

Prepares ESOL students to enter an IBEST program. Course content varies each time it is offered. It may include English language skills for specific content areas such as Early Childhood Education, Welding, or Health Services. For ESOL students in Levels 2-3. *PREREQUISITE:* Appropriate assessment score and instructor's permission. This is a pass/no credit course.

ESOL 094**Special Topics Levels 4 (1-15)**

Course content varies each time it is offered. It may include English language skills for specific content areas such as STARS certification for childcare workers, English language skills for Welding (integrated or in cooperation with the career/technical program), or English language skills for Health Services. For ESOL students in Levels 4-6. *PREREQUISITE:* Appropriate assessment score and instructor's permission. This is a pass/no credit course.

ESOL 095**Special Topics Levels 5 (1-15)**

Course content varies each time it is offered. It may include English language skills for specific content areas such as STARS certification for childcare workers, English language skills for Welding (integrated or in cooperation with the career/technical program), or English language skills for Health Services. For ESOL students in Levels 4-6. *PREREQUISITE:* Appropriate assessment score and instructor's permission. This is a pass/no credit course.

ESOL 096**Special Topics Levels 6 (1-15)**

Course content varies each time it is offered. It may include English language skills for specific content areas such as STARS certification for childcare workers, English language skills for Welding (integrated or in cooperation with the career/technical program), or English language skills for Health Services. For ESOL students in Levels 4-6. *PREREQUISITE:* Appropriate assessment score and instructor's permission. This is a pass/no credit course.

ENVIRONMENTAL SCIENCE (ENV S)**ENV S 194****Special Topics-
Environmental Science (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. *PREREQUISITE:* Eligible for ENGL& 101.

ENV S 204**Natural Science and the Environment (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. *PREREQUISITE:* ENGL& 101 or eligible for ENGL& 101; and MATH 097 with a grade of 2.0 or higher; or eligible for college-level Math. Satisfies a natural science requirement for AA-DTA degree.

FILM (FILM)**FILM 120****The Art of the Film (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 a humanities requirement for AA-DTA degree.

FILM 121**Contemporary American Film (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 a humanities and the diversity course requirements for AA-DTA degree.

FILM 122**Introduction to Film: Genres (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

FILM 191**Latin America in Film (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 main stream U.S. movies. No knowledge of Spanish language required. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree. Cross-listed with HUMAN 191.

FLIGHT (see Aviation-Flight)**FORENSIC TECHNOLOGY (See Criminal Justice-Forensic Technology)****FRENCH (FRCH)****FRCH& 121****French I (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. *PREREQUISITE:* 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 099. Satisfies a humanities requirement for AA-DTA degree.

FRCH& 122**French II (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. *PREREQUISITE:* A grade of 2.0 or higher in FRCH&121 or equivalent with instructor's permission; and eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

FRCH& 123**French III (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. *PREREQUISITE:* A grade of 2.0 or higher in FRCH& 122 or equivalent with instructor's permission; and eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

FRCH& 221**French IV (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. *PREREQUISITE:* FRCH& 123 or placement by language instructor and eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

FRCH& 222**French V (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 above-mentioned materials. *PREREQUISITE:* A grade of 2.0 or higher in FRCH& 221 or equivalent with instructor permission. The equivalent of FRCH& 221 is four years in high school with a grade of B or above higher. Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

**FRCH& 223
French VI****(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. *PREREQUISITE:* A grade of 2.0 or higher in FRCH& 222 or equivalent and instructor's permission. Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

GEOGRAPHY (GEOG)**GEOG& 100****Introduction to Geography****(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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

GEOG 120**Introduction to Physical Geography****(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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. *RECOMMEND:* Eligible for ENGL& 101. Satisfies a social science requirement for AA-DTA degree.

GEOG 123**Globalization****(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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a social science requirement for AA-DTA degree.

GEOG 190**Geographic Exploration****(5-10)**

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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

GEOG& 200**Human Geography****(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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

GEOG 201**World Regional Geography****(5)**

Study of the world's regional structure; analysis and interpretation of the world's cultural, economic, and resource patterns. *RECOMMEND:* Eligible for ENGL& 101. Satisfies a social science requirement for AA-DTA degree.

GEOG 205**Environmental Geography****(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. *PREREQUISITE:* Eligible for ENGL& 101 and MATH& 141. Satisfies a social science requirement for AA-DTA degree.

GEOG 210**Mountain Geography****(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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

GEOG 298**Independent Study-Geography 1****(1-5)**

Permits students to individually pursue a special field of interest under the guidance of an instructor. *PREREQUISITE:* GEOG 100, 120, or equivalent; and instructor's permission.

GEOG 299**Independent Study-Geography 2****(1-5)**

Permits students to individually pursue a special field of interest under the guidance of an instructor. *PREREQUISITE:* GEOG& 100, 120, or equivalent; and instructor's permission.

GEOLOGY (GEOL)**GEOL& 101****Introduction to Physical Geology****(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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

GEOL 106**Dinosaurs****(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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a natural science requirement for AA-DTA degree.

GEOL 107**Fossils and Ancient Earth****(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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

GEOL 117**Natural Disasters with Lab****(5)**

An in-depth examination of the science behind natural disasters. Examines the causes and impacts of natural disasters, including: volcanic eruptions, earthquakes, tsunami, 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. *PREREQUISITE:* Eligible for ENGL& 101. *RECOMMEND:* Eligible for MATH 097. Satisfies a lab or natural science requirement for AA-DTA degree.

GEOL 150**Field Trips in Geology 1****(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. *PREREQUISITE:* Concurrent enrollment in GEOL, or GEOL& 101; or instructor's permission. Eligible for ENGL& 101. Satisfies an activity requirement for AA-DTA degree. This is a pass/no credit course.

GEOL 151**Dinosaurs: Museum Field Trips in Geology****(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. *PREREQUISITE:* Eligible for ENGL& 101. This is a pass/no credit course.

GEOL 152**Field Trips in Geology 2 (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. *PREREQUISITE:* Concurrent enrollment in GEOL, or GEOL& 101, or instructor's permission. Eligible for ENGL& 101. Satisfies an activity requirement for AA-DTA degree. This is a pass/no credit course.

GEOL 153**Field Trips in Geology 3 (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. *PREREQUISITE:* Concurrent enrollment in GEOL, or GEOL& 101, or instructor's permission. Eligible for ENGL& 101. Satisfies an activity requirement for AA-DTA degree. This is a pass/no credit course.

GEOL 200**Geological Investigations of the National Parks (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. *PREREQUISITE:* GEOL& 101 and eligible for ENGL& 101. Satisfies a natural science requirement for AA-DTA degree.

GEOL 206**Earth History (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. *PREREQUISITE:* GEOL& 101 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

GEOL& 208**Geology of the Pacific Northwest (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. *PREREQUISITE:* GEOL& 101 or equivalent and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

GEOL 299**Independent Study-Geology (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. *PREREQUISITE:* GEOL& 101 and/or instructor's permission and eligible for ENGL& 101.

GERMAN (GERM)**GERM& 121****German I (5)**

Introduces the systematic study of German with emphasis on speaking and listening. Includes basic grammar, vocabulary, reading, writing, and conversation practice. *PREREQUISITE:* 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 a humanities requirement for AA-DTA degree.

GERM& 122**German II (5)**

Continues the systematic study of the language using the four basic skills of listening, speaking, reading, and writing. *PREREQUISITE:* GERM& 121 or two years of high school German with a grade of "B" or higher or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

GERM& 123**German III (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. *PREREQUISITE:* GERM& 122 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

GERM 194**Special Studies-German (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.

HISTORY (HIST)**HIST 021****U.S. History 1 (5)**

Covers U.S. history from pre-Colombian times through Reconstruction. Explores topics in political, economic, social, intellectual, cultural, diplomatic and military history. *PREREQUISITE:* Concurrent enrollment in READ 084 or eligible for READ 094 and ENGL 081.

HIST 022**U.S. History 2 (5)**

Covers U.S. History from Reconstruction to contemporary times. Explores topics in political, economic, social, intellectual, cultural, diplomatic and military history. *PREREQUISITE:* Concurrent enrollment in READ 094 and ENGL 081.

HIST 024**Pacific Northwest and Washington State History (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.

HIST 101**The Ancient World (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 102**Early Modern World (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 103**The Modern World (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

HIST 120**History of the Movies (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 122**History of Australian Movies (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 135**The United States Since 1940 (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST& 136**U.S. History I (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST& 137**U.S. History II (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 194**Special Studies-History (1-3)**

Students develop a unique experience while working at local museums. Students learn or work with a local historical organization in gathering, preserving, organizing and managing of historical records at the local, state and federal level; and learn procedures in determining and preserving historic sites. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

HIST& 214**Pacific Northwest History (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST& 215**Women in U.S. History (5)**

A brief survey of gender and U.S. history from pre-Colombian times to the present. Explores topics in cultural, ethnic, intellectual, political, social, and economic history. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

HIST 220**History of American Civilization (5)**

Examines the history of the United States through the process of becoming a modern world power. Gives attention to immigrants of North America; the conquest, and colonization of the continent; the contribution of minority groups, nation-building and myth-making; sectional and regional conflicts; industrialization and post-industrialization; and the emergence of the United States as a major world power. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 224**African-American History (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

HIST 226**Asian-American History (5)**

Explores the experiences of Asians in the U.S. from the period of immigration to the present. Emphasizes the immigrant experience, the impact of exclusionary immigration laws, the development of ethnic Asian-American communities, and post-1965 developments. Surveys the experiences of Chinese, Japanese, Filipino, Korean, Asian-Indian, and Southeast-Asian refugees. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

HIST 228**Latinos in the United States (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

HIST 230**20th Century Europe (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 231**Modern Asia (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 232**Renaissance and Reformation (5)**

Examines intellectual, religious and cultural change during the Renaissance, Reformation and scientific revolution in Europe, approximately 1350-1650 CE. Gives attention to Renaissance politics and society. Explores Reformation from religious and cultural perspectives, as well as competing early modern cosmologies through a comparison of the witch-hunting craze with the nascent world of modern science. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 233**History of Latin America (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

HIST 235**History of Great Britain (5)**

Examines the history of Britain from the island's first inhabitants through the long and difficult struggles to become the United Kingdom. Gives attention to the various social and political groups that have dominated British life during the past and the present. For the London quarter, particular attention is given to the city of London as the center of British life and culture. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 237**History of Australia and New Zealand (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 240
The Civil War (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. *PREREQUISITE:* Eligible for ENGL&101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 245
The Second World War (5)

Examines the history of World War II from its long-term origins in the post-WWI era, through the rise of dictators and imperial conquest in the 1930's. Examines key figures and events of the war: from Hitler to FDR; from the nature of warfare to domestic fronts; from Pacific to the European theaters; from the Holocaust to the atomic bombs. Gives special attention to the various ethnic, religious, and political groups affected by World War II. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 250
The Vietnam War (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

HIST 299
Independent Study-History (1-5)

Permits a student to pursue a special field of interest under the guidance of an instructor. *PREREQUISITE:* 5 credits of HIST 100 or 200 level and instructor's permission.

HEALTH EDUCATION (HL ED)**HL ED 150**
Total Wellness (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.

HL ED 160
Applied Wellness (3)

Explores the application of concepts and principles in HL ED 150, in addition to advanced concepts in wellness. *PREREQUISITE:* HL ED 150.

HL ED 170
Wellness Approach to Final Stages of Life (3)

Educates students about the issues surrounding death, dying, surviving and living. Topics include Elisabeth Kubler-Ross's Stages of Loss. Model, cross-cultural attitudes toward death, the dying person and one's own death, grieving, epidemiology and danger signals of suicide, euthanasia, body disposal, wills, living wills, organ donation, and options for funeral arrangements. This wellness approach emphasizes celebration in quality of life. *PREREQUISITE:* HL ED 150.

HL ED 180
Food and Health (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.

HL ED 190
Standard First Aid/CPR (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. Satisfies an activity requirement for AA-DTA degree.

HL ED 198
Independent Study-Health (3)

For any student wishing to develop a basic knowledge in health when there is no offering in the regular curriculum. *PREREQUISITE:* Instructor's permission.

HEALTH SCIENCE (H SCI)**H SCI 101**
Neuroscience (2)

Introduces neuroscience as it relates to the practice of physical therapy. *PREREQUISITE:* H SCI 102; H SCI 162; and concurrent enrollment in H SCI 161.

H SCI 102
Applied Anatomy (3)

Covers anatomy of the musculoskeletal system including bony landmarks; origins, insertions, innervations of muscles and fundamentals of clinical kinesiology. *PREREQUISITE:* Concurrent enrollment in H SCI 162; and instructor's permission.

H SCI 104
Fundamentals of Gerontology (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. Open to health science majors interested in the aging process. *PREREQUISITE:* Instructor's permission.

H SCI 108
College Success for Healthcare Exploration (2)

Enhances student learning in the Introductions to Health Care Careers program by exploring methods and strategies of improving study skills and habits that include the following: time management, note taking, efficient reading, test preparation and test taking, and understanding personal learning styles.

H SCI 110
Exploring Healthcare Careers (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.

H SCI 111
Beginning Medical Language (2)

Introduces students to words and abbreviations used in healthcare settings including components, definitions, and uses of medical terminology. Students develop an understanding of how these components and terms are used in a variety of healthcare settings, by healthcare providers, and in industry-specific communication.

H SCI 112
Introduction to Healthcare Skills and Functions (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.

H SCI 113
Introduction to Anatomy and Physiology (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.

H SCI 161
Neuroscience Lab (1)

Application of the skills and knowledge in neuroanatomy and neurology as it relates to motor control. *PREREQUISITE:* H SCI 102 and H SCI 162; and concurrent enrollment in H SCI 101.

H SCI 162**Applied Anatomy Lab (2)**

Anatomy of the musculoskeletal system including bony landmarks; origins, insertions, innervations of muscles and fundamentals of clinical kinesiology. *PREREQUISITE:* Concurrent enrollment in H SCI 102; and instructor's permission.

HIGH SCHOOL COMPLETION (HSC)**HSC 020****iGRAD Frameworks (1-10)**

For iGRAD students only. Develops the academic and personal skills essential for success. These academic and Life management skills include learning strategies, techniques for time management, decision making, test preparation, and critical thinking. *PREREQUISITE:* Instructor's permission.

HSC 025**Civics and Government (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. *PREREQUISITE:* Concurrent enrollment in READ 084; or eligible for ENGL 081 and READ 094.

HSC 033**High School Language Arts and Literature (5)**

Introduces high school students to the critical reading and writing skills needed for the study of civics and history. Students work with primary documents, history texts, historic analysis, and quotations, and their own writing to identify the central ideas, summarize complex concepts, and to describe the explicit and implicit contents of text.

HSC 040**Culminating Experience (3-5)**

Fulfills the Washington state high school requirement for the culminating experience and post-high school graduation life planning. Instructor facilitates students to find their own passionate interests, and then use those interests to create a showpiece that can both wrap up their K-12 education and launch them into productive and satisfying adult lives. *PREREQUISITE:* Concurrent enrollment in READ 084; or eligible for ENGL 081 and READ 094. This is a pass/no credit course.

HUMANITIES (HUMAN)**HUMAN 100****Creative and Critical Thinking (5)**

Helps students identify aspects of creative and critical thought in themselves and others. Offers experiences, theories, and concepts through which students develop statements of personal principles and worldviews. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 110**Background for the Humanities (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 cultures economic, political and technological environment. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 133**People, Language and Culture (5)**

Surveys the human experience by sampling the world's cultures based on evidence. Examines documents and remnants of archeological, anthropological and mythological proof of the human experience. Focuses on the relationship between people, language and culture and the evolutionary changes that languages and cultures have undergone in order to arrive at their current state. Incorporates anthropological linguistics, philosophy, literature, religion, art, music, history and modern languages as a basis to study modern people language and culture. With modern technology such as (Rosetta Stone), students explore the sounds, structures and written forms of a panorama of world languages in coordination with contextual study of the particular culture. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 142**Introduction to Japanese Life and Culture (5)**

Students learn the various aspects of Japanese traditional and popular culture from a Western perspective. Incorporates key features of Japanese culture such as history, film, and art. Integrates other popular culture media such as anime and manga. *PREREQUISITE:* Eligible for ENGL 099. *RECOMMEND:* College-level reading. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 146**Introduction to Chinese Culture and Life (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. *PREREQUISITE:* Eligible for ENGL 099. *RECOMMEND:* College-level reading. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 160**Introduction to the Study of Gender in the Humanities (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 186**Peoples of the World (5)**

Provides students with multicultural insights into the peoples of other countries. Examines people as a total cultural product: history, geography, literature, art, music, architecture, religion and politics. The country studied may change each time the course is offered. May be part of a field course. Satisfies a humanities requirement for AA-DTA degree.

HUMAN 190**Latin American Culture Through Literature (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

HUMAN 191**Latin America in Film (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 main stream U.S. movies. No knowledge of Spanish language required. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree. Cross-listed with FILM 191.

HUMAN 192**Introduction to Spanish Life and Culture (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. *PREREQUISITE:* Eligible for ENGL 099.

HUMAN 193**Introduction to Francophone Life and Culture (5)**

Students learn the various aspects of francophone culture through the humanities. Students discover the history, literature, art and film of the francophone world. Students also gain an appreciation of the many diverse cultural influences that make up the French Speaking world. *PREREQUISITE:* Eligible for ENGL 099.

HUMAN 194**Special Studies-Humanities (5)**

Special subject matter that is not part of the regular curriculum. Content varies from course to course, depending on requests from students, or the opportunity to present unusual topics.

HUMAN 200**Latin American Women: Struggles and Literature (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

HUMAN 224**Women and World Religions (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

INDIVIDUALIZED GRADUATION and DEGREE (iGRAD)**iGRAD 020****Academic Orientation and Planning for iGRAD (1-3)**

Prepares iGRAD students for success in their program. Students explore learning style preferences, set meaningful goals, and prepare for their content courses. *PREREQUISITE:* Instructor's permission. Students must be admitted through iGRAD. This is a pass/no credit course.

iGRAD 053**iGRAD Adult Basic Math (1-10)**

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. *PREREQUISITE:* Appropriate placement score on CASAS math assessment and instructor's permission. Students must be admitted through iGRAD. This is a pass/no credit course.

iGRAD 055**iGRAD Math Review (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

iGRAD 056**iGRAD Pre-Algebra (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. *PREREQUISITE:* Valid CASAS score on file with the college, or high school transcript evaluation; and instructor's permission. Students must be admitted through iGRAD.

iGRAD 064**Language Arts in Social Studies Level 4 iGRAD (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD. This is a pass/no credit course.

iGRAD 065**Language Arts in Social Studies Level 5 iGRAD (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

iGRAD 066**Language Arts in Social Studies Level 6 iGRAD (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

iGRAD 074**Language Arts and Literature Level 4 iGRAD (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD. This is a pass/no credit course.

iGRAD 075**Language Arts and Literature Level 5 iGRAD (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

iGRAD 076**Language Arts and Literature Level 6 iGRAD (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

iGRAD 084**Language Arts in Physical Science Level 4 iGRAD (5-10)**

Introduces Level 4 students to the basic principles of physical 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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD. This is a pass/no credit course.

iGRAD 085**Language Arts in Physical Science Level 5 iGRAD (5)**

Introduces Level 5 students to the basic principles of physical 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. Students who successfully complete this course earn High School 21+ credits in science. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

iGRAD 086**Language Arts in Physical Science Level 6 iGRAD (5-10)**

Introduces Level 6 students to the basic principles of physical 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. Students who successfully complete this course earn High School 21+ credits in science. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission. Students must be admitted through iGRAD.

INDUSTRIAL EDUCATION (INDUS)**INDUS 090****Technical Skills (1-6)**

Introduction to basic knowledge, concepts, skills and applicable safety practices related to various trade and technology programs. Course may include both lecture and supported laboratory exercises when appropriate.

INDUS 101**Basic Woodworking (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. Satisfies an activity requirement for AA-DTA degree.

INDUS 103**Manufacturing Processes (4)**

Provides lecture and lab situations in basic knowledge of metal manufacturing processes. Includes terminology, surface finishes, tolerances, and logical sequence of operations. Covers solving production problems and metal cutting technology. *PREREQUISITE:* Instructor's permission. Satisfies an activity requirement for AA-DTA degree. This is a pass/no credit course.

INDUS 111**Welding Survey 1-3 (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. *PREREQUISITE:* Instructor's permission. Satisfies an activity requirement for AA-DTA degree.

INDUS 112**Welding Survey 1-3 (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. *PREREQUISITE:* Instructor's permission. Satisfies an activity requirement for AA-DTA degree.

INDUS 113**Welding Survey 1-3 (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. *PREREQUISITE:* Instructor's permission. Satisfies an activity requirement for AA-DTA degree.

INDUSTRIAL ENGINEERING (I E)**I E 114****CATIA 2-D (4)**

Focuses on using CATIA (Computer Aided Three-Dimensional Interactive Application) software. Teaches file structure and management, 2-D and 3-D concepts, and the creation of elementary elements (points, lines, curves) that are used in future solids creation. Gains a working knowledge of how to move geometry within a model, change the graphical characteristics of existing geometry, and analyze and establish model standards. *PREREQUISITE:* Eligible for both ENGL 081 and READ 104; or instructor's permission.

I E 189**Basic Metallurgy (4)**

Introduces the basic structure of metals and the effects of alloying elements, mechanical working and heat on the strength and other properties of the metal. Students perform testing procedures for evaluating strength, hardness and heat treating processes in the laboratory.

I E 204**Statics and Strengths (5)**

Introduces the concepts of forces, moments, and equilibrium; and the application of these concepts to the determination of stresses and deformations in simple structural members. Includes the analyses of beams, columns and tension members. Involves some materials testing.

I E 210**CATIA Modeling (7)**

Focuses on creating 2-D and 3-D geometry using CATIA (Computer Aided Three Dimensional Interactive Application) software. Teaches commands for creating and editing drawings. Uses CATIA software. Course covers three modules: 2-D geometry creating and editing; 3-D parametric solids modeling and editing; and 3-D parametric surface modeling and editing. CAD instruction emphasizes methods for creating documents that are accurate and accomplished in a timely manner. *PREREQUISITE:* D T 135 and 236.

I E 214**CATIA 3-D Solids (5)**

Focuses on using CATIA (Computer Aided Three-Dimensional Interactive Application) software. Teaches creation and modification of solid modeling using CATIA. Students gain an understanding of the history of solids creation and the ability to extract elements from the history of solid bodies. CAD instruction emphasizes methods for creating documents that are accurate and accomplished in a timely manner. *PREREQUISITE:* I E 114.

I E 215**CATIA 3-D Surfacing (4)**

Focuses on using CATIA (Computer Aided Three-Dimensional Interactive Application) software. Teaches creation and modification of surface modeling using CATIA. Students learn to use the variety of curves available in CATIA and how they interact with different disciplines, such as SOLIDS, N/C toolpath creation, and volume creation. CAD instruction emphasizes methods for creating documents which are accurate and accomplished in a timely manner. *PREREQUISITE:* I E 214.

INFORMATION LITERACY (INFO)**INFO 104****Information for the Disciplines (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.

INFO 110**Information Literacy and Research Skills (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.

INFO 126**Information Literacy in the Humanities (2)**

Students gain an understanding of information sources in the humanities. Students develop the ability to locate, evaluate, and effectively use information sources and information retrieval systems pertinent to humanities disciplines. Students understand the object and method of study in the humanities, and compare scholarly with popular sources. *PREREQUISITE:* Eligible for ENGL 099. This is a pass/no credit course.

INFO 127**Information Literacy in the Social Sciences (2)**

Students gain an understanding of information sources in the social sciences. Students develop the ability to locate, evaluate, and effectively use information sources and information retrieval systems pertinent to social sciences disciplines. Students understand the object and method of study in the social sciences, and compare scholarly with popular sources. *PREREQUISITE:* Eligible for ENGL 099. This is a pass/no credit course.

150 Course Descriptions

INFO 128

Information Literacy for Science/ Engineering/Business (2)

Students gain an understanding of information sources in science, engineering, and/or business. Students develop the ability to locate, evaluate, and effectively and ethically use information sources and information retrieval systems pertinent to science, engineering, and/or business. Students understand the object and method of study in science, engineering, and/or business, and compare scholarly with popular sources. *PREREQUISITE:* Eligible for ENGL 099. This is a pass/no credit course.

INFORMATION TECHNOLOGY (IT)

IT 100

Introduction to IT and Cybersecurity (3)

Explores the areas of Windows, Linux, and network administration, software development, and cybersecurity. Includes and introduces the competencies required for each area of employment, and the planning of a degree program to receive both an Associates and a Bachelor's degree in Information Technology.

IT 101

Introduction to Information Technology (5)

Provides an overview of information technology. Introduces computer hardware, software, procedures and systems, and their applications in various segments of society. Introduces information about careers in software development, networking, and security. Discussion of computer ethics and current events. *PREREQUISITE:* Eligible for READ 094 or instructor's permission.

IT 102

Programming Fundamentals (5)

An introductory programming class for students who have no prior programming experience. Covers procedural programming, input and output, variables, decision statements, loops, file processing, and arrays.

IT 114

CompTIA A+ Certification Preparation (7)

A preparation course for the CompTIA A+ certification, an IT industry recognized entry level certification. Students learn about installation, maintenance, troubleshooting and repair of information and communication technology hardware and software. Covers all current CompTIA A+ certification exam objectives.

IT 131

Networking Fundamentals (5)

Introduces networking to students who are interested in a career managing routers and switches. Topics include TCP/IP and OSI modules, subnetting, protocols, network applications, switching and routing fundamentals, and an introduction to configuring Cisco routers and switches. *PREREQUISITE:* 114 or instructor's permission.

IT 135

CompTIA Security+ Certification Preparation (5)

Provides students with a broad foundation of network security knowledge. Topics include security fundamentals, overview of cryptography, security policies and procedures, common types of attacks, and how to implement network security measures.

IT 141

Customer Service and Work Environment for IT Professionals (5)

Focuses on the knowledge and skills required to be a part of a successful help-desk team. Topics include communication skills, writing skills, telephone skills, techniques for managing customer expectations, understanding customer behavior, working as part of a team, and minimizing stress in the work environment. Covers interviewing and preparing for the job search experience in the IT field. Prepare students to do job searches, resumes and cover letters, and to dress professionally for the work environment. Students learn proper e-mail techniques and meeting etiquette. Prepares students for the ITIL Foundations Certification.

IT 160

Windows Server Administration I (5)

Provides students with the knowledge and skills necessary to install and configure Microsoft Windows Server.

IT 175

Student Assistant (1-4)

Student works in the computer lab. Includes assisting with lab activities. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

IT 178

IT Work Experience (1-4)

Allows students to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

IT 190

Linux Administration 1 (5)

Provides hands-on experience in installing and configuring the Linux operating system. Presents an introduction to basic Linux commands and Linux administration tasks.

IT 194

Special Topics- Information Technology (5)

Permits students to pursue special IT topics, under the guidance of an instructor. Topics include a discussion of the Open Systems movement, its impact on the computer industry and exposure to its software; the role of PDAs as thin clients and how to integrate them into existing systems and development of their applications, data transfer, and impact on society; and developments in client/server technologies, like XML and DHTML, that impacts how data is generated and presented to users. *PREREQUISITE:* IT 114 or instructor's permission.

IT 201

Database Fundamentals (5)

Students analyze real world scenarios, organize data into relational tables for storage, and query information for reporting through the use of a database management system (DBMS). Focus on using Structured Query Language (SQL) as the means to create, modify, and maintain database tables, queries, views, and constraints. Students practice their database design skills through hands-on exercises and labs.

IT 206

Front-End Web Development (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.

IT 207

Web Programming with JavaScript (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. *PREREQUISITE:* IT 206 or familiarity with HTML and CSS; and instructor's permission.

IT 210

Introduction to Routing and Switching (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. *PREREQUISITE:* IT 131 or instructor's permission.

IT 219

Programming 1 (5)

Introduces students to problem solving methods, algorithm development and object-oriented design. Students design, implement, document and debug programs using an object-oriented programming language. *PREREQUISITE:* IT 102 or instructor's permission.

IT 220

Programming 2 (5)

A continuation of IT 219, emphasizing concepts of data abstraction and encapsulation. Topics include inheritance, interfaces, generics, collections, and the implementation of linked lists and binary search trees. *PREREQUISITE:* IT 219 or CS& 141; or instructor's permission.

IT 223**Active Web Site (5)**

Introduces students to the concepts and applications of an active web site. An active web site creates web pages “on the fly” to meet the specific needs of each user. Students demonstrate an active web site with client-side and server-side scripting, cookies to maintain a user state, and a database connection. Emphasizes the role of the developer and issues to be considered when creating an active web site. *PREREQUISITE:* IT 201 and 203.

IT 236**CompTIA Advanced Security Practitioner Certification Preparation (5)**

Introduce students to the fundamentals of computer security and cryptography. Topics include network security; compliance and operational security; threats and vulnerabilities; applications, data, and host security; access control and identity management; and cryptography. Students learn fundamental network security analysis methods. *PREREQUISITE:* IT 135 or instructor's permission.

IT 240**Windows Server Administration II (5)**

Gives students the ability to administer and troubleshoot a Microsoft Windows Server network infrastructure. *PREREQUISITE:* IT 131 and IT 160; or instructor's permission.

IT 243**Linux Administration II (5)**

Provides hands-on experience in installing and configuring advanced Linux networking and security. *PREREQUISITE:* IT 190 or instructor's permission.

IT 245**Windows Server Administration III (5)**

Provides students with the knowledge and skills necessary to install, configure, and administer advanced directory services. Focuses on performing tasks that are required to centrally manage users' computers and resources. *PREREQUISITE:* IT 160 or instructor's permission.

IT 293**System Analysis and Troubleshooting (5)**

Provides students a practical, streamlined, and updated approach to information systems development. Topics include coverage of emerging technologies, such as agile methods, cloud computing, and mobile applications which compliments traditional approaches to systems analysis and design. Real-world examples emphasize critical thinking and IT skills in a dynamic, business-related environment.

IT 297**Independent Study-Information Technology 1 (1-5)**

Encourages students to study and develop independently in the major area of information technology. Students receive permission from the appropriate instructor. Students are on a tutorial basis with their instructor. *PREREQUISITE:* Instructor's permission.

IT 301**Systems Programming (5)**

Introduces students to 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. *PREREQUISITE:* Admission into a BAS in IT program or instructor's permission.

IT 305**Web Development Frameworks (5)**

Students form software development teams and build responsive database-driven web applications. Focus on understanding and integrating the various technology components of modern web applications. Survey of security practices in the web technology stack. *PREREQUISITE:* Admission into a BAS in IT program; or instructor's permission.

IT 310**Routing and Switching in the Enterprise (5)**

Familiarizes students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP Telephony requirements and security. Introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. Hands-on exercises include configuration, installation, and troubleshooting. *PREREQUISITE:* IT 210 and admission into a BAS in IT program; or instructor's permission. RECOMMEND: IT 210 or equivalent.

IT 328**Full Stack Web Development (5)**

Continuation of IT 305. Examines design, integration, debugging, and testing in each layer of the web development stack. Topics include version control systems, application of the Model-View-Controller architectural pattern, concurrent JavaScript programming, integration with RESTful web APIs, secure design principles, and use of various client- and server-side frameworks. *PREREQUISITE:* IT 305 or instructor's permission.

IT 333**Data Structures and Algorithms (5)**

Students study and analyze data structures such as lists, stacks, queues, trees, hash tables, heaps, graphs; analyze runtime performance of algorithms using asymptotic (big O) notation and worst-case analysis. *PREREQUISITE:* IT 301 or instructor's permission.

IT 335**Network Security Foundations and Policies (5)**

Introduces information and business security, 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. *PREREQUISITE:* Admission into a BAS in IT program; or instructor's permission.

IT 340**Network Security and Firewalls (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. *PREREQUISITE:* IT 210, IT 310, and admission into a BAS in IT program; or instructor's permission.

IT 344**Virtualization and Storage (5)**

Introduces and applies the concepts of server, desktop, and application virtualization, cloud computing, and storage area networks (SANs). *PREREQUISITE:* IT 190, IT 240, and admission into a BAS in IT program; or instructor's permission.

IT 355**Agile Development Methods (5)**

Students use Scrum, an agile framework for completing complex projects, to develop software and deliver business value to clients. *PREREQUISITE:* IT 305 or instructor's permission. RECOMMEND: IT 328 and IT 405.

IT 360**Introduction to Computer Forensics and Vulnerability Assessment (5)**

In this introductory course, students learn how to set up a forensics lab, how to acquire the necessary tools, how to conduct the investigation, and prepare for the subsequent digital analysis. In addition, students learn the basic skills of identifying network vulnerabilities, and some of the tools that are used to perform vulnerability analysis. *PREREQUISITE:* Admission into a BAS in IT program and instructor's permission.

IT 370**Cloud System Operations: Microsoft Azure (5)**

Prepares students to take the Implementing Microsoft Azure Infrastructure Solutions certification exam. *PREREQUISITE:* Admission into a BAS in IT program; or instructor's permission.

IT 372**Software, Maintenance and Evolution (5)**

Defect analysis and resolution is a process where software defects are identified, replicated, evaluated, and classified before repair, testing, and release. Tools used include bug/defect tracking software, version control systems, and automated testing frameworks. Exposure to defect management practices such as triage and risk assessment. Students learn to upgrade an existing system without loss of existing functionality. *PREREQUISITE:* IT 301 and IT 305; or instructor's permission.

IT 378**Software Development Internship (5)**

Complements an internship or comparable work-based learning experience for BAS Software Development students. Students are responsible for securing their own internships. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

IT 385**Scripting for Windows and Linux (5)**

Introduces both the PowerShell scripting language for Windows and the BASH shell used as an interface to the Linux operating system kernel. Builds on the student's existing programming skills, enabling students to write, test, and execute complex administrative scripts for the Windows and Linux operating systems. *PREREQUISITE:* IT 102, IT 160, and IT 190; and admission into a BAS in IT program; or instructor's permission.

IT 390**Mobile Devices and Wireless Networking in Enterprise (5)**

Introduces the use of wireless networking and mobile devices in an enterprise environment, including connectivity, management, configuration, and security of both corporate and personal devices. *PREREQUISITE:* Admission into a BAS in IT program and instructor's permission.

IT 405**Mobile Development Frameworks (5)**

Develop mobile (smartphone and tablet) apps using native frameworks (e.g. Android and/or iOS). Compare the strengths and limitations of each platform and of each development framework. Topics include submission to the app store, integration with web services, deployment within an organization, and security and privacy issues. *PREREQUISITE:* IT 301 and IT 305; or instructor's permission.

IT 410**Designing and Supporting Computer Networks (5)**

Uses a variety of case studies and role-playing exercises, which include gathering requirements, designing basic networks, establishing proof-of-concept, performing project management tasks, lifecycle services including upgrades, competitive analyses, and system integration. *PREREQUISITE:* Admission into a BAS in IT program; and IT 310 and instructor's permission.

IT 426**Design Patterns and Practices (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. *PREREQUISITE:* IT 301 and IT 305; or instructor's permission.

IT 434**Secure Development Practices (5)**

Information security is the practice of defending information from unauthorized access, use, disclosure, or destruction. Presents a holistic approach to addressing security in the entire software development lifecycle, not just as an afterthought. Topics include security as a non-functional requirement, security in multi-tier software architectures, secure coding practices, and testing techniques. *PREREQUISITE:* IT 328.

IT 460**Threat Analysis (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. *PREREQUISITE:* Admission into the BAS in IT program; and IT 360 and IT 385, and instructor's permission.

IT 485**Software Development Capstone 1 (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. *PREREQUISITE:* IT 328, IT 355, IT 405, and IT 426; or instructor's permission.

IT 486**Software Development Capstone 2 (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. *PREREQUISITE:* IT 485.

IT 490**Capstone: Network and Security (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. *PREREQUISITE:* Instructor's permission.

INTEGRATED BASIC EDUCATION and SKILLS TRAINING (IBEST)**IBEST 002****Introduction to Careers for ESOL 2 (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. *PREREQUISITE:* ESOL 011 or appropriate CASAS score; or instructor's permission. This is a pass/no credit course.

IBEST 003**Introduction to Careers for ESOL 3 (3-15)**

Provides an introduction for ESOL 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. *PREREQUISITE:* ESOL 012 or appropriate CASAS score; and instructor's permission. This is a pass/no credit course.

IBEST 004**Introduction to Careers for ESOL 4 (3-15)**

Provides an introduction for ESOL 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. *PREREQUISITE:* ESOL 012 or appropriate CASAS score; and instructor's permission. This is a pass/no credit course.

IBEST 032**Early Childhood Education****Success for ESOL 5 (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. *PREREQUISITE:* Placement based on assessment measure; and instructor's permission. This is a pass/no credit course.

IBEST 033**Early Childhood Education****Success for ESOL 6 (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. *PREREQUISITE:* Placement based on assessment measure; and instructor's permission. This is a pass/no credit course.

IBEST 057**Carpentry Success for TS 5 (3-10)**

A transitional studies course taught in the IBEST program for Carpentry where 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. *PREREQUISITE:* Instructor's permission.

IBEST 058**Carpentry Success for TS 6 (3-10)**

A transitional studies course taught in the IBEST program for Carpentry where 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. *PREREQUISITE:* Instructor's permission.

IBEST 063**Nursing Assistant Success for ESOL 6 (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. *PREREQUISITE:* Placement based on assessment measure; and instructor's permission. This is a pass/no credit course.

IBEST 066**Nursing Assistant Success for TS 4 (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. *PREREQUISITE:* Placement based on assessment measure; and instructor's permission. This is a pass/no credit course.

IBEST 067**Nursing Assistant Success for TS 5 (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. *PREREQUISITE:* Placement based on assessment measure; and instructor's permission.

IBEST 068**Nursing Assistant Success for TS 6 (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. *PREREQUISITE:* Placement based on assessment measure; and instructor's permission.

INTERDISCIPLINARY SCIENCE (IDS)**IDS 101****Interdisciplinary Science I (5)**

First of a three-quarter sequence integrated science course involving physics, chemistry, biology and geology. Uses climate and global change as a theme to develop basic concepts in science, such as measurement, analysis of data, hypothesis generation, and testing. Students collect and analyze data in physics, chemistry, biology and geology that relate to the topic of climate and global change. Includes field trips during class time to locations near the college. *PREREQUISITE:* MATH 097 or concurrent enrollment and eligible for ENGL& 101. No previous college science or instructor's permission. Satisfies a lab or natural science requirement for AA-DTA degree.

IDS 102**Interdisciplinary Science 2 (5)**

Second of a three-quarter sequence integrated science course involving physics, chemistry, biology and geology. Uses climate and global change as a theme to develop basic concepts in science, such as measurement, analysis of data, hypothesis generation and testing. Students collect and analyze data in physics, chemistry, biology and geology that relate to the topic of climate and global change. May include field trips during class time to locations near the college. *PREREQUISITE:* IDS 101 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

IDS 103**Interdisciplinary Science 3 (5)**

Last of the three-quarter sequence integrated science course involving physics, chemistry, biology and geology. Uses climate and global change as a theme to develop basic concepts in science, such as measurement, analysis of data, hypothesis generation and testing. Students collect and analyze data in physics, chemistry, biology and geology that relate to the topic of climate and global change. May include field trips during class time to locations near the college. *PREREQUISITE:* IDS 102 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

JAPANESE (JAPN)**JAPN& 121****Japanese I****(5)**

Begins the systematic study of Japanese. Includes basic grammar, vocabulary, reading, writing, and conversation practice, and introduces Hiragana and Kanji writing systems. Students learn the history, nature, and diversity of Japanese speaking cultures. *PREREQUISITE:* 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 099 Satisfies a humanities requirement for AA-DTA degree.

JAPN& 122**Japanese II****(5)**

Systematic study of Japanese using the four basic skills of listening, speaking, reading, and writing. Students learn the history, nature, and diversity of Japanese speaking cultures. *PREREQUISITE:* A grade of 2.0 or higher in JAPN& 121 or equivalent with instructor's permission. Eligible for ENGL 099 Satisfies a humanities requirement for AA-DTA degree.

JAPN& 123**Japanese III****(5)**

Continues the systematic study of Japanese using the four basic skills of listening, speaking, reading, and writing. Students learn the history, nature, and diversity of Japanese speaking cultures. Fulfills the University of Washington College of Arts and Science graduation requirement. *PREREQUISITE:* A grade of 2.0 or higher in JAPN& 122 or equivalent with instructor's permission. Eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

JAPN& 221**Japanese IV****(5)**

A direct continuation of JAPN& 123. Focuses on the systematic study of Japanese vocabulary, grammar, kanji and Japanese culture using the four basic skills of listening, speaking, reading and writing. Fulfills the University of Washington College of Arts and Sciences graduation requirement. Satisfies a humanities requirement for AA-DTA degree.

JAPN& 222**Japanese V****(5)**

JAPN& 222 is a direct continuation of JAPN& 221. Focuses on the systematic study of Japanese vocabulary, grammar, kanji and Japanese culture using the four basic skills of listening, speaking, reading and writing. *PREREQUISITE:* JAPN& 221 or instructor's permission. Fulfills the University of Washington College of Arts and Sciences graduation requirement, and satisfies a humanities requirement for AA-DTA degree.

JAPN& 223**Japanese VI (5)**

JAPN& 223 is a direct continuation of JAPN& 222. Focuses on the systematic study of Japanese vocabulary, grammar, kanji and Japanese culture using the four basic skills of listening, speaking, reading and writing. *PREREQUISITE:* JAPN& 222 or instructor's permission. Fulfills the University of Washington College of Arts and Sciences graduation requirement, and satisfies a humanities requirement for AA-DTA degree.

JOURNALISM (JOURN)**JOURN 101****News Writing (5)**

Prepares students to write for the media, including newspapers, public relations or online publications. Stresses news writing mechanics, including covering a news beat, learning news style and newsroom organization and terminology. Instructor encourages students to enroll in JOURN 100.1 sequence and join the staff of *The Current*, Green River's print and online publication. Satisfies a humanities requirement for AA-DTA degree.

JOURN 103**Introduction to Desktop Publishing (5)**

Introduces publication design and production. Instructor recommends basic knowledge of computers (either PC or Mac). Students develop skills and an understanding of the basics of designing a publication, including the following: use of desktop publishing software; use of typography and graphics; working with page grids and templates; different treatments for features, columns, departments; effective cover design; and basic computer skills needed to prepare a publication for print.

JOURN 104**News Laboratory 1 (3-5)**

Students write, edit, design, photograph and produce the digital and print versions of the student publication, *The Current*. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies an activity requirement for AA-DTA degree.

JOURN 105**News Laboratory 2 (3-5)**

Students continue to write, edit, design, photograph and produce the digital and print versions of the student publication, *The Current*. Instructor encourages students to enroll in JOURN 101 while taking this class, or to have already completed the course. *PREREQUISITE:* JOURN 104.

JOURN 106**News Laboratory 3 (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*. *PREREQUISITE:* JOURN 105.

JOURN 107**Introduction to Video Journalism (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 a humanities requirement for AA-DTA degree.

JOURN 110**Radio Laboratory 1 (3-5)**

Gives students working at Green River campus radio station KGRG-FM on-the-air and behind-the-scenes experience in news broadcasting, radio production, and disc jockey work. Satisfies an activity requirement for AA-DTA degree.

JOURN 111**Radio Laboratory 2 (3-5)**

Gives students working at Green River campus radio station KGRG-FM additional experience in newsgathering, remote broadcasting, and on-the-air performance. *PREREQUISITE:* JOURN 110 or instructor's permission.

JOURN 112**Radio Laboratory 3 (3-5)**

Gives students working at Green River campus radio station KGRG-FM additional experience in production work, news casting, and on-the-air performance. *PREREQUISITE:* JOURN 111 or instructor's permission.

JOURN 120**Digital Radio Laboratory 1 (3-5)**

Gives students working exclusively on all-digital KGRG-AM radio station experience with computer-based over-the-air broadcasting, radio station operations, FCC rules and regulations, and both live and voice-tracked disc jockey work. Satisfies an activity requirement for AA-DTA degree.

JOURN 121**Digital Radio Laboratory 2 (3-5)**

Gives students working exclusively on all-digital KGRG-AM radio station additional experience with computer-based over-the-air broadcasting, radio station operations, FCC rules and regulations, and both live and voice-tracked disc jockey work. *PREREQUISITE:* JOURN 120 or instructor's permission.

JOURN 122**Digital Radio Laboratory 3 (3-5)**

Gives students working exclusively on all-digital KGRG-AM radio station further experience with computer-based over-the-air broadcasting. Students gain experience with the KGRG Internet web site, as well as webcast development and maintenance. *PREREQUISITE:* JOURN 121 or instructor's permission.

JOURN 150**Introduction to Broadcasting (3)**

Offers the student an overview of the broadcast industry from the origin of the wireless, through the golden age of radio, to the domination of television. Covers the different radio formats, and explores the growth of cable, satellite and related new entertainment technologies. Satisfies a humanities requirement for AA-DTA degree.

JOURN 151**Radio Production (3)**

Provides students with a survey of radio commercials, promotional announcements, and newscast production. Students develop their copywriting skills in the classroom and refine their production technique in the studio. Satisfies a humanities requirement for AA-DTA degree.

JOURN 152**Radio and the Community (3)**

Covers radio management practices emphasizing the business of broadcasting. Includes sales, promotion, community relations, government regulations, demographics and programming. Satisfies a humanities requirement for AA-DTA degree.

JOURN 153**Broadcast News Writing (3)**

Gives students a fundamental working knowledge of newsgathering and news writing for radio and television. Includes discussions of public affairs, government regulations, and the role of the electronic reporter in society.

JOURN 156**Broadcast and New Media Announcing (3)**

Stimulates an interest in and furthers the understanding of the art and science of broadcast and related media announcing. Emphasizes voice quality, articulation, enunciation, pronunciation, and responds to in-session direction. Includes discussion and practice of typical TV and radio news, sports, commercial, and disc jockey announcing types.

JOURN 162**Introduction to Broadcast Technology (3)**

Covers basic technical principles and techniques relating to broadcast audio systems, studio operation, and broadcast transmission.

JOURN 177**Journalism Work Experience 1 (1-12)**

Allows students an opportunity to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

JOURN 178**Journalism Work Experience 2 (1-12)**

Allows students an opportunity to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

JOURN 179**Journalism Work Experience 3 (1-12)**

Allows students an opportunity to work full- or part-time in jobs directly related to their programs and interests. Students may receive a salary or volunteer.

JOURN 198**Independent Study-Journalism 1 (1-5)**

Encourages students to study and develop independently in journalism. Students develop their own focus area and objectives in consultation with the instructor. *PREREQUISITE:* JOURN 101 and instructor's permission.

JOURN 199**Independent Study-Journalism 2 (1-5)**

Encourages students to study and develop independently in journalism. Students develop their own focus areas and objectives in consultation with the instructor. *PREREQUISITE:* JOURN 198 and instructor's permission.

JOURN 200**Advanced News Laboratory (3-5)**

Includes advanced writing, editing, designing, photographing and producing for the digital and print versions of the student publication, *The Current*. *PREREQUISITE:* Instructor's permission. Satisfies an activity requirement for AA-DTA degree.

JOURN 205**Radio Management (3-5)**

Gives students working at Green River campus radio station KGRG-FM experience in radio management, including promotion, news and public affairs, music, traffic and logging procedures, copywriting and/or sports broadcasting, as well as disc jockey work. *PREREQUISITE:* Instructor's permission.

JOURN 206**Radio Workshop (3-5)**

Gives students working at Green River campus radio station KGRG-FM additional experience in radio station management, including promotion, news and public affairs, music, traffic and logging procedures, production copywriting and/or sports broadcasting, as well as disc jockey work. *PREREQUISITE:* JOURN 205 and instructor's permission.

JOURN 207**Advanced Radio Workshop (3-5)**

Gives students working at Green River campus radio station KGRG-FM further experience in radio station management, including promotion, news and public affairs, music, traffic and logging procedures, production copywriting and/or sports broadcasting, as well as disc jockey work. *PREREQUISITE:* JOURN 206 and instructor's permission.

JOURN 251**Journalism Internship 1 (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. *PREREQUISITE:* Instructor's permission.

JOURN 252**Journalism Internship 2 (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. *PREREQUISITE:* Instructor's permission.

JOURN 253**Journalism Internship 3 (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. *PREREQUISITE:* Instructor's permission.

JOURN 254**Advanced Radio Production (3)**

Further develops skills from JOURN 151. Focuses on the production of radio commercials, promotional announcements, and newscasts. Emphasizes advanced techniques in copywriting, voicework, and digital production. *PREREQUISITE:* JOURN 151 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

JOURN 255**Broadcast and New Media Marketing (3)**

Gives students detailed understanding of sales, marketing, and research at broadcast radio and television stations. Explores the role of advertising agencies and new technologies such as the internet in broadcasting. *RECOMMEND:* JOURN 150 or 152.

JOURN 256**Broadcasting Boot Camp (3)**

A one-week concentration class on special topics in broadcasting. Features radio and television sports broadcasting and radio programming techniques and strategies. Presents radio show producing, podcasting, streaming, and managing radio station web sites. Other topics include job-seeking strategies, talent agents, promotional events, and effective interaction with the broadcasting audience. *RECOMMEND:* Completion of at least one broadcasting course.

JOURN 257**Broadcasting Traffic Reporting (1)**

Provides instruction and practice in gathering and reporting traffic conditions for broadcast use. Emphasis on gathering information, writing and announcing traffic updates, and familiarization with professional practices in radio and television traffic operations. Course activities include compiling, composing, and delivering traffic reports for broadcast use. Includes actual airborne traffic reporting instruction.

JOURN 260**Introduction to Pro Tools (2)**

Applies a concentrated approach in exploring the processes, functions, and use of Pro Tools, the entertainment industry's premium digital audio editing software system. Emphasizes Pro Tools applications as pertinent to radio broadcasting.

JOURN 298**Independent Study-Journalism 3 (1-5)**

Encourages students to study and develop independently in journalism. Students develop their own focus areas and objectives in consultation with the instructor. *PREREQUISITE:* JOURN 199 and instructor's permission.

JOURN 299**Independent Study-Journalism 4 (1-5)**

Encourages students to study and develop independently in journalism. Students develop their own focus areas and objectives in consultation with the instructor. *PREREQUISITE:* JOURN 199 and instructor's permission.

MACHINING AND MANUFACTURING TECHNOLOGY (MFG)**MFG 101****Introduction to Machining and Manufacturing (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. *PREREQUISITE:* Instructor's permission.

MFG 102**Conventional Milling and Turning (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. *PREREQUISITE:* Instructor's permission.

MFG 103**Conventional and Computer Numerical Control (CNC) Machining Level 1 (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. *PREREQUISITE:* Instructor's permission.

MFG 104**Conventional and Computer Numerical Control (CNC) Machining Level 2 (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. *PREREQUISITE:* Instructor's permission.

MFG 105**Intermediate Computer Numerical Control (CNC) Machining (1-13)**

Emphasizes more advanced calculations and machining operations on CNC milling and turning centers and includes more extensive use of CAD/CAM software. *PREREQUISITE:* Instructor's permission.

MFG 106**Special Machining Practices (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. *PREREQUISITE:* Instructor's permission.

MFG 115**Reading Engineering Drawings (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. *PREREQUISITE:* Instructor's permission.

MFG 162**Applied Materials for Manufacturing (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. *PREREQUISITE:* Instructor's permission.

MFG 163**Training and Practice (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. *PREREQUISITE:* Instructor's permission.

MFG 168**Mastercam Level One (1-13)**

Introduction to Mastercam, including geometry, contouring, and tool paths. No CNC shop machining performed. *PREREQUISITE:* Instructor's permission.

MFG 169**Mastercam Level Two (1-13)**

Continuation of beginning Mastercam, including geometry, contouring, and tool paths. No CNC shop machining performed. *PREREQUISITE:* Instructor's permission.

MFG 177**Manufacturing Work Experience (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. *PREREQUISITE:* Instructor's permission.

MFG 178**Computer Numerical Control (CNC)****Manufacturing Work Experience (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

MAINTENANCE MECHATRONICS (MTX)**MTX 100****Maintenance Mechatronics 1 (1-13)**

Covers industry and workplace safety awareness and practices in-depth. Prepares the entry level machine maintenance technician with the knowledge and skills necessary to maintain, diagnose, and repair elementary hydraulic and pneumatic systems. Introduces students to the fundamental mechanical concepts necessary for the installation, operation, and maintenance of industrial machinery. Students acquire the skills to design and interpret industrial prints and component schematics. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* Eligible for ENGL 081, MATH 062, and READ 104; or instructor's permission.

MTX 110**Maintenance Mechatronics 2 (1-13)**

Covers techniques of assembling, rigging, and installing mechanical equipment. Students learn to work with mechanical transmission devices, including procedures for installation, removal, and maintenance. Upon completion students will have an understanding of preventive, predictive, corrective, and reliability-centered maintenance. Students study the development of a comprehensive maintenance program and learn how to use a computerized maintenance management system. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE:* MTX 100; and Eligible for ENGL 081, MATH 062, and READ 104; or instructor's permission.

MTX 120**Maintenance Mechatronics 3 (1-13)**

Covers process based safety analysis for situational awareness during reactive maintenance. Equipment system design is studied using advanced simulation software. Electrical relay control systems are introduced, designed and implemented. Programmable logic controllers are introduced and programmed. Hydraulic and pneumatic training will prepare students for the International Fluid Power Society Certification testing. *PREREQUISITE:* MTX 110; and Eligible for ENGL 081, MATH 062, and READ 104; or instructor's permission.

MTX 130**Maintenance Mechatronics 4 (1-13)**

Interpret Programmable Logic Computer programs to diagnose system failures in complex equipment. Utilize a systems approach to solve complex diagnostic problems. Introduction of closed loop servo systems and process control feedback loops. *PREREQUISITE:* MTX 120; and Eligible for ENGL 081, MATH 062, and READ 104; or instructor's permission.

MATHEMATICS (MATH, MATHJ, MATHM)**MATHJ 062****Jump Start into Review of Arithmetic (2)**

A brief review of math skills needed to succeed in MATH 062, including study skill tips for math classes. Class culminates with an opportunity to re-evaluate math placement. This is a pass/no credit course.

MATHM 062**Review of Arithmetic-Resource Module (1-2)**

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 062. Recommended for students who want extra work in MATH 062 and for those who need to work on specific skills to prepare for MATH 062. Students use software to learn standard concepts from MATH 062. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 062. 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.

MATH 062**Review of Arithmetic (5)**

Study of the basic operations of arithmetic and an overview of basic geometry concepts. Topics include whole numbers, fractions, decimals, percents, ratios, proportions, place value, roots, and basic concepts related to measurements and geometry. Incorporates hands-on manipulatives and study skills related to learning math concepts. *PREREQUISITE:* TS 053 or appropriate math placement.

MATHJ 070**Jump Start into Pre-algebra (2)**

A brief review of math skills needed to succeed in MATH 070, including study skills tips for math classes. Class culminates with an opportunity to re-evaluate math placement. This is a pass/no credit course.

MATHM 070**Pre-Algebra-Resource Module (1-2)**

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 070. Recommended for students who want extra work in MATH 070 and for those who need to work on specific skills to prepare for MATH 070. Students use software to learn standard concepts from MATH 070. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 070. 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.

MATH 070**Pre-Algebra (5)**

Study of problem solving, geometry and measurement, exponents, and signed numbers. Includes introductory work with polynomials, simple equations, basic descriptive statistics, and graphing. *PREREQUISITE:* MATH 062 with a grade of 2.5 or higher; or appropriate math placement.

MATHJ 072**Jump Start into Elementary Algebra (2)**

A brief review of algebra skills needed to succeed in MATH 072, including study skill tips for math classes. Class culminates with an opportunity to re-evaluate math placement. This is a pass/no credit course.

MATHM 072**Elementary Algebra-Resource Module (1-2)**

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 072. Recommended for students who want extra work in MATH 072 and for those who need to work on specific skills to prepare for MATH 072. Students use software to learn standard concepts from MATH 072. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 072. 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.

MATH 072**Elementary Algebra (5)**

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. *PREREQUISITE:* MATH 070 with a grade of 2.5 or higher; or appropriate math placement. *RECOMMEND:* Eligible for READ 104.

MATH 077**Extended Elementary Algebra (5)**

Topics include a subset of topics covered in the regular MATH 072 course including a study of sets, 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. Graphing calculator required. *PREREQUISITE:* Instructor's permission.

MATHJ 097**Jump Start into Intermediate Algebra (2)**

A brief review of math skills needed to succeed in MATH 097, including study skill tips for math classes. Class culminates with an opportunity to reevaluate math placement. This is a pass/no credit course.

MATHM 097**Intermediate Algebra-Resource Module (1-2)**

Uses self-paced, individual computer mediated learning to supplement concepts learned in MATH 097. Recommended for students who want extra work in MATH 097 and for those who need to work on specific skills to prepare for MATH 097. Students use software to learn standard concepts from MATH 097. Students investigate Math Learning Center resources such as videos, computers, supplementary books, and/or drop-in tutoring to work on concepts learned in MATH 097. 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.

MATH 097**Intermediate Algebra (5)**

Study of the definition of a function; graphs and solutions of linear equations and inequalities; graphs and solutions of quadratic, rational, radical, and literal equations; complex numbers; radical expressions; variation; and applications. Graphing calculator required. *PREREQUISITE:* MATH 072 with a grade of 2.5 or higher; or appropriate math placement.

MATH 106**Essentials of Pre-Calculus Mathematics (5)**

Study of polynomial, rational, exponential, logarithmic, and trigonometric functions; algebraic combinations of functions, composition of functions, transformation of functions, and inverse functions. Additional topics may include complex numbers, polar coordinates, and parametric equations. Graphing calculator required. *PREREQUISITE:* Appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 107**Math in Society (5)**

Study of a variety of mathematical topics that include finance, statistics, and probability. Additional topics may include voting theory, fair division, networks, scheduling, apportionment and other fields. *PREREQUISITE:* MATH 097 with a grade of 2.0 or higher; or appropriate Appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 108**Contemporary Math for Information Technology (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. *PREREQUISITE:* MATH 097 with a grade of 2.0 or higher, or appropriate Appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATHJ 141**Jump Start into Precalculus I (2)**

A brief review of Precalculus I skills needed to succeed in MATH&141. Course culminates with an opportunity to re-evaluate math placement. This is a pass/no credit course.

MATH& 141**PreCalculus I (5)**

Study of piecewise, power, polynomial, rational, exponential, and logarithmic functions and their applications; algebraic combinations of functions; composition of functions; inverse functions; transformations. Graphing calculator required. *PREREQUISITE:* MATH 097 with a grade of 2.5 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 142**PreCalculus II (5)**

Study of trigonometric functions and their applications, inverse trigonometric functions, trigonometric equations, trigonometric identities, solutions of right and oblique triangles, complex numbers, vectors, polar coordinates, parametric equations, conics, and matrices. Graphing calculator required. *PREREQUISITE:* MATH& 141 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 146**Introduction to Statistics (5)**

Introduction to the analysis of statistical studies, descriptive statistics, basic probability, sampling distributions, hypothesis testing, confidence intervals, and correlation. *PREREQUISITE:* MATH 097 with a grade of 2.5 or higher; or appropriate math placement. *RECOMMEND:* Eligible for READ 104. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 147**Finite Mathematics-Business and Social Science (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. *PREREQUISITE:* MATH 097 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 148**Business Calculus (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. *PREREQUISITE:* MATH& 141 or MATH 147 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 151**Calculus I (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. *PREREQUISITE:* MATH& 142 or MATH 106 with a grade of 2.0 or higher; or appropriate placement math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 152**Calculus II (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. *PREREQUISITE:* MATH& 151 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 153**Calculus III (5)**

The third course of a four-quarter calculus sequence. Introduces students to sequences, series, and higher-dimensional space. Topics include convergence tests; vectors; analytic geometry; vector-valued functions. Graphing calculator required. *PREREQUISITE:* MATH& 152 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 171**Mathematics for Elementary Education I (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. *PREREQUISITE:* MATH 097 with a grade of 2.5 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 172**Mathematics for Elementary Education II (5)**

Study of geometry and its applications including problem solving techniques and concepts in measurement. Recommended for prospective or practicing elementary and middle school teachers, paraeducators, parents, and others who help educate children in grades K-8. *PREREQUISITE:* MATH& 171 with a grade of 2.0 or higher or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 173**Mathematics for Elementary Education III (5)**

Study of the fundamental nature of the real number system and its subsystems, applications of basic probability and statistics, and problem solving. Recommended for prospective or practicing elementary and middle school teachers, paraeducators, parents, and others who help educate children in grades K-8. *PREREQUISITE:* MATH& 171 with a grade of 2.0 or higher or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 177**Math Work Experience 1 (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. Credits may apply toward the completion of a certificate and/or program. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

MATH 178**Math Work Experience 2 (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. Credits may apply toward the completion of a certificate and/or program. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

MATH 179**Math Work Experience 3 (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. Credits may apply toward the completion of a certificate and/or program. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

MATH 194**Special Topics-Mathematics (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. *PREREQUISITE:* Instructor's permission and eligible for READ 104. This is a pass/no credit course.

MATH 210**Discrete Mathematics (5)**

Study of proofs; one-to-one, onto, inverse and composite functions; properties of relations; sets including cardinality, countability and the Pigeonhole Principle; Boolean algebras including de Morgans Laws; logic including propositional logic and digital logic; and counting techniques including permutations and combination. *PREREQUISITE:* MATH 106 or MATH& 142 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 238**Differential Equations (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. *PREREQUISITE:* MATH& 254 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 240**Topics in Linear Algebra (5)**

Study of systems of linear equations, vector spaces, matrices and matrix equations, eigenvalues and eigenvectors, linear transformations, and applications. Graphing calculator required. *PREREQUISITE:* MATH& 152 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH& 254**Calculus IV (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. *PREREQUISITE:* MATH& 153 with a grade of 2.0 or higher; or appropriate math placement. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 256**Statistics for Business and Social Science (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. *PREREQUISITE:* MATH& 106, MATH& 141 or MATH 147 with a grade of 2.0 or higher; or appropriate math placement. RECOMMEND: Eligible for READ 104. Satisfies a natural science or quantitative skills requirement for AA-DTA degree.

MATH 294**Special Topics in Mathematics (1-5)**

Focuses on special topics in math that are not part of the regular curriculum. Content varies from course to course. *PREREQUISITE:* Instructor's permission.

MATH 297**Independent Study-Mathematics (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. *PREREQUISITE:* MATH& 148, &151 or MATH 256 with a grade of 2.0 or higher and instructor's permission.

MUSIC (MUSC)**MUSC 101****Fundamentals of Music (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 a humanities requirement for AA-DTA degree.

MUSC 103**American Popular Music (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 a humanities requirement for AA-DTA degree.

MUSC 104**Music in World Culture (5)**

Introduces the traditional and popular music of cultures from around the globe, including Africa, Asia, Europe, and North and South America. Explores a number of rich and fascinating musical traditions as well as the roles of musical practices in larger cultural contexts. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 105**Music Appreciation (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 a humanities requirement for AA-DTA degree.

MUSC 107**History of Jazz (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 a humanities requirement for AA-DTA degree.

MUSC 108**Introduction to Computer Music (5)**

Introduction to computer assisted notation, composition and performance using a computer, digital keyboard, and software for notation (Finale) and digital sequencing (Reason). Satisfies a humanities requirement for AA-DTA degree.

MUSC 109**Intermediate Computer Music (5)**

A continuation of MUSC 108 with more in-depth study of sequencing software (Reason), including the construction of unique combinations, drum patterns and fills, and advanced study of mix-down procedures and use of multiple effects processors. *PREREQUISITE:* MUSC 108 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 110**Advanced Computer Music (5)**

A continuation of MUSC 109 with advanced study of sequencing software (Reason) including construction of patches from basic (raw) synthesized sounds, incorporation of various external sampling techniques, and advanced study of each of the individual onboard synthesizers and sample players. *PREREQUISITE:* MUSC 109 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 118**Concert Choir 1 (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 an activity or a humanities requirement for AA-DTA degree.

MUSC 119**Concert Choir 2 (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. *PREREQUISITE:* MUSC 118. Satisfies a humanities requirement for AA-DTA degree.

MUSC 120**Concert Choir 3 (1-3)**

Continuation of MUSC 119. Gives an in-depth study of fundamentals of vocal production. One required evening performance each quarter. *PREREQUISITE:* MUSC 119. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 121**Ear Training 1 (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 a humanities requirement for AA-DTA degree.

MUSC& 122**Ear Training 2 (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. *PREREQUISITE:* MUSC& 121. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 123**Ear Training 3 (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. *PREREQUISITE:* MUSC& 122. Satisfies a humanities requirement for AA-DTA degree.

MUSC 124**Musical Rehearsal and Performance (5)**

Students participate in a musical comedy or drama as a performer or technician. Satisfies an activity or a humanities requirement for AA-DTA degree.

MUSC 125**Vocal Coaching for Singers (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 a humanities requirement for AA-DTA degree.

MUSC 127**Green River Jazz Voices 1 (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. *PREREQUISITE:* Instructor's permission. Satisfies an activity or a humanities requirement for AA-DTA degree.

MUSC 128**Green River Jazz Voices 2 (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. *PREREQUISITE:* MUSC 127 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 129**Green River Jazz Voices 3 (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. *PREREQUISITE:* MUSC 128 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 131**Music Theory 1 (3)**

Covers the study of basic music notation with emphasis on intervals, scales, key signatures, triads, principles of rhythm and simple harmonization in four parts on the grand staff. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 132**Music Theory 2 (3)**

Continuation of MUSC& 131. Covers the study of 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. *PREREQUISITE:* MUSC& 131. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 133**Music Theory 3 (3)**

Continues to study diatonic harmony including diminished and half-diminished seventh chords, minor and major seventh chords, simple two- and three-part form, secondary dominants and an introduces tonal counterpoint. *PREREQUISITE:* MUSC& 132. Satisfies a humanities requirement for AA-DTA degree.

MUSC 140**Class Piano 1 (2)**

Offers basic piano pedagogy in a group classroom situation. Teaches hand positions, fingering, and basic chord structure. Beginning music majors or minors who do not meet piano proficiency must enroll in Class Piano until they meet requirements. Satisfies an activity or a humanities requirement for AA-DTA degree.

MUSC 141**Class Piano 2 (2)**

Offers basic piano pedagogy in a group classroom situation. Covers hand positions, fingering, and basic chord structure. Beginning music majors or minors who do not meet piano proficiency must enroll in Class Piano until they meet requirements. *PREREQUISITE:* MUSC 140. Satisfies a humanities requirement for AA-DTA degree.

MUSC 142**Class Piano 3 (2)**

Offers basic piano pedagogy in a group classroom situation. Covers hand positions, fingering, and basic chord structure. Beginning music majors or minors who do not meet piano proficiency must enroll in Class Piano until they meet requirements. *PREREQUISITE:* MUSC 141. Satisfies a humanities requirement for AA-DTA degree.

MUSC 150**Private Instruction 1 (1)**

Individual instruction in voice or on any common instrument. *PREREQUISITE:* Instructor's permission. Satisfies an activity or a humanities requirement for AA-DTA degree.

MUSC 151**Private Instruction 2 (1)**

Individual instruction in voice or on any common instrument. *PREREQUISITE:* MUSC 150 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 152**Private Instruction 3 (1)**

Individual instruction in voice or on any common instrument. *PREREQUISITE:* MUSC 151 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 218**Concert Choir 4 (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. *PREREQUISITE:* MUSC 120. Satisfies a humanities requirement for AA-DTA degree.

MUSC 219**Concert Choir 5 (1-3)**

Continuation of MUSC 218. Students study the basics of vocal production. One required evening performance each quarter. *PREREQUISITE:* MUSC 218. Satisfies a humanities requirement for AA-DTA degree.

MUSC 220**Concert Choir 6 (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. *PREREQUISITE:* MUSC 219. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 221**Ear Training 4 (2)**

Continues where the first-year ear training sequence leaves off. Emphasizes the following skills in rhythmic reading and dictation in one and two parts, aural recognition and analysis of harmonic progressions, and sight singing and melodic dictation. *PREREQUISITE:* MUSC& 123 with a 2.0 or higher, or instructor's permission, and concurrent enrollment in MUSC 231. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 222**Ear Training 5 (2)**

Continues where the MUSC& 221 leaves off. Emphasizes the following skills in rhythmic reading and dictation in one and two parts, aural recognition and analysis of harmonic progressions, and sight singing and melodic dictation. *PREREQUISITE:* MUSC& 221 with a 2.0 or higher, or instructor's permission, and concurrent enrollment in MUSC& 232. Satisfies a humanities requirement for AA-DTA degree.

MUSC 227**Green River Jazz Voices 4 (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. *PREREQUISITE:* MUSC 129 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 228**Green River Jazz Voices 5 (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. *PREREQUISITE:* MUSC 227 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 229**Green River Jazz Voices 6 (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. *PREREQUISITE:* MUSC 228 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 231**Music Theory 4 (3)**

Continues where the first-year music theory sequence leaves off. Addresses advanced harmony, form, "nonfunctional" harmony, and jazz and popular music harmony. *PREREQUISITE:* MUSC& 131 with a 2.0 or higher, or instructor's permission, and concurrent enrollment in MUSC& 221. Satisfies a humanities requirement for AA-DTA degree.

MUSC& 232**Music Theory 5 (3)**

Continues where MUSC& 231 left off. Addresses advanced chromatic harmony, form, and jazz and popular music harmony. *PREREQUISITE:* MUSC& 231 with a 2.0 or higher; or instructor's permission, and concurrent enrollment in MUSC& 222. Satisfies a humanities requirement for AA-DTA degree.

MUSC 250**Private Instruction 4 (1)**

Individual instruction in voice or on any common instrument. *PREREQUISITE:* MUSC 152 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 251**Private Instruction 5 (1)**

Individual instruction in voice or on any common instrument. *PREREQUISITE:* MUSC 250 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 252**Private Instruction 6 (1)**

Individual instruction in voice or on any common instrument. Student pays instructor fee. *PREREQUISITE:* MUSC 251 and instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

MUSC 298**Independent Study-Music 1 (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. *PREREQUISITE:* Instructor's permission.

MUSC 299**Independent Study-Music 2 (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. *PREREQUISITE:* MUSC 298 and instructor's permission.

NATURAL SCIENCE (N SCI)**N SCI 194****Special Topics-Natural Science (1-5)**

Offers non-lab science subject matter that is not part of the regular curriculum. Content varies from course to course.

NATURAL RESOURCES (NATRS)**NATRS 100****Introduction to Natural Resources (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. *PREREQUISITE:* ENGL& 101 or instructor's permission.

NATRS 114**Chainsaw Operation and Maintenance (1)**

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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

NATRS 117**Aerial Photography Uses and Ground Based Mapping (2)**

Studies and uses maps and aerial photographs to interpret vegetation and landforms, measure distance and direction, and navigate. Aviation students become proficient in identifying ground development through the use of aerial photography. Surveys remote sensing technologies used in GIS and Aviation. Course not intended for Natural Resources majors. *PREREQUISITE:* Eligible for ENGL 099 and any 100-level MATH course or concurrent enrollment, and instructor's permission.

NATRS 120**Riparian Restoration (5)**

Introduces the concepts and applications of stream and wetland restoration. Topics include function and structure of riparian systems, historical conditions of streams and wetlands, an overview of associated plant communities and wildlife, analysis of various management methods, and tools, materials, and equipment used in restoration.

NATRS 121**Introduction to Community Forestry (4)**

Introduces the concepts and applications of community forestry including the use and care of native and ornamental plants in urban and suburban settings. Topics include an overview of silvics, plant propagation, soils, water needs, pruning, plant health, fertilizers, integrated pest management, regulations and environmental laws, safety, customer service, business management, and greenhouse management. Uses demonstrations and labs inside and outside.

NATRS 122**Urban Ecology (3)**

Continues and adds to topics learned in NATRS 121 toward understanding synecology in the urban and suburban settings. Uses demonstrations and labs inside and outside. *PREREQUISITE:* NATRS 121 or instructor's permission.

NATRS 123**Background Watershed and Forest Assessment (12)**

A field intensive course that covers uses and management of watersheds and the forests contained therein. Teaches watershed scale assessments from the ocean to the headwaters, 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. *PREREQUISITE:* NATRS 270 and instructor's permission.

NATRS 130**Wildland Firefighter Training L-180 and S-130/190 (4)**

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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

NATRS 131**Advanced Wildland Firefighter Training S-131, ICS 100-400 (6)**

Sequence training course for Type 2 wildland firefighters (FF2) in advanced firefighting skills leading to squad boss (FFT1) and Incident Commander Type 5 (ICT5). Complies with Northwest Firefighting Coordinating Group (NWCG) standards for S-131 course work. Coursework is interactive and uses group discussions to evaluate documentation, communications, firefighting tactics and safety/risk management. Requires documented wildfire experience. Includes ICS-100, 200, 300 and 400 which introduces students to the principles of the Incident Command System beginning at the basic level of command structure and functions to advanced levels dealing with escalating and advanced applications of the ICS System in large scale organizational structure and function. Students are taught in accordance with the MOU between Washington Department of Natural Resources and the USDA Forest Service. *PREREQUISITE:* NATRS 130 or Instructors permission: or proof of certificate of ICS S-130 and S-190; wildfire experience as documented in the NWCG task book. This is a pass/no credit course.

NATRS 132**Wildland Firefighter Crew Boss S-230 (2)**

Sequence training course for wildland firefighters leading to single resource crew boss. Complies with Northwest Wildfire Coordinating Group (NWCG) standards for S-230 course. Studies wildfire preparation, mission of the crew, mobilization, leadership, crew management and supervision, fire tactics and safety, off-line duties, demobilization, and post-incident responsibilities. Requires completed task book of experience. *PREREQUISITE:* NATRS 131 or instructor's permission; or proof of certificate of ICS S-131 and completed task book of experience. This is a pass/no credit course.

NATRS 133**Wildland Firefighter Engine Boss S-231 (1)**

Sequence training course for wildland firefighters leading to single resource engine boss. Complies with Northwest Wildfire Coordinating Group (NWCG) standards for S-231 course. Studies wildfire organization, mission of engines, mobilization, leadership, crew management and supervision, fire tactics and safety, travel, and fire business management responsibilities. Students operate engine systems. *PREREQUISITE:* NATRS 131 or instructor's permission; or proof of certificate of ICS S-131 and completed task book experience as engine operator. This is a pass/no credit course.

NATRS 134**Intermediate Wildland Fire Behavior S-290 (3)**

Sequence training course for wildland firefighters. Complies with Northwest Wildfire Coordinating Group (NWCG) standards for S-290 course. A rigorous study of the fire triangle, heat transfer, environmental factors that affect fire behavior, fuels, weather, topography, and changes of weather that affect safety. *PREREQUISITE:* NATRS 130 or instructor's permission; or proof of certificate of ICS-190. This is a pass/no credit course.

NATRS 161**Wildlife Habitat Management (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. *PREREQUISITE:* Eligible for ENGL 099; and NATRS 172; and instructor's permission.

NATRS 162**Biology and Conservation of Birds (3)**

Explores the major principles of natural history, avian reproductive biology, population ecology and conservation strategies for hunted and nonhunted bird. Introduces field identification skills and field methodologies through indoor labs and field exercises. *PREREQUISITE:* Eligible for ENGL 099; and NATRS 172 or concurrent enrollment, and instructor's permission.

NATRS 172**Computer Applications Overview (4)**

Topics include data location collection techniques, Global Positioning Systems (GPS), hand-held data recorders, Excel uses, development of forestry databases, PowerPoint skills, map preparation using Geographic Information System (GIS) software, cost analysis techniques, and development of an employment portfolio. For Natural Resources students. *PREREQUISITE:* Instructor's permission. *RECOMMEND:* NATRS 100 be taken concurrently.

NATRS 180**Natural Resources Measurement (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. *PREREQUISITE:* MATH 070 with a grade of 2.0 or higher and instructor's permission.

NATRS 182**Aerial Photos, GIS and Forest Navigation (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. *PREREQUISITE:* NATRS 180 with a grade of 2.0 or higher; and instructor's permission.

NATRS 184**Tree, Shrub and Wildflower Identification (8)**

Collects specimens and identifies common trees, wildflowers shrubs, and ferns found in Washington forests. Teaches the use of taxonomic keys and their ecological characteristics and growth habits. *PREREQUISITE:* NATRS 172 and instructor's permission.

NATRS 185**Shrub and Flower Systematics (5)**

Collects specimens and identifies common trees, shrubs, and flowers found in urban forestry. Teaches the use of taxonomic keys and their ecological characteristics and growth habits.

NATRS 192**GIS for Natural Resources (5)**

Provides an overview with hands-on experience with ArcGIS tools and functionality in Natural Resources applications. Emphasizes the three principal components of ArcGIS: ArcMap, ArcCatalog, and ArcToolbox. Provides hands-on practical exercises using field data in various formats including shapefiles, coverages, geodatabase feature classes, and raster data. Explores how to use geospatial datasets already available and how to create, modify or build new databases, as well as how to download data from the Internet. Students create, manage, analyze, and display georeferenced datasets and finished maps. *PREREQUISITE:* Second year Natural Resources student completed one of these courses: NATRS 172 and (MATH 072 or MATH 097); or instructor's permission.

NATRS 198**Independent Study-Natural Resources 1 (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. *PREREQUISITE:* Instructor's permission.

NATRS 199**Independent Study-Natural Resources 2 (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. *PREREQUISITE:* Instructor's permission.

NATRS 205**Wildland Recreation (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. *PREREQUISITE:* Eligible for ENGL 099 and NATRS 172; and instructor's permission.

NATRS 210**Introduction to Soils (5)**

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. *PREREQUISITE:* NATRS 172 and instructor's permission.

NATRS 261**GIS Tool Applications (5)**

Builds on previously learned skills and concepts. Covers several ArcGIS modules within ArcGIS software programs which add analytical and display capabilities to ArcGIS. Students learn to use Network Analyst, Spatial Analyst using Model builder, and ArcScan. Students also learn how to publish data using ArcReader and Publisher modules. *PREREQUISITE:* Instructor's permission.

NATRS 262**GIS in the Field (5)**

Focuses on ArcPad ESRI software, GPS tools and Survey Analyst modules to collect, create, edit, maintain attribute/spatial information and utilize GIS maps while in the field. Students learn to transfer information between the office and field. Students also learn to create and digitize new features using survey data. Focuses on developing skills while working on research projects in natural resources and conservation. *PREREQUISITE:* Instructor's permission.

NATRS 263**Cartography (5)**

Provides general introduction to the principles and techniques of GIS cartography for natural resources field based uses including data collected in the field. Reviews fundamental mapping concepts of map design using GIS technology. Students apply concepts of map scale, projection, and coordinate systems. Covers principles of thematic map design for natural resource purposes and a field practitioner and lay person audiences. Students learn new ArcGIS cartography tools and modules, including Maplex, to aid in understanding principles of thematic map design for natural resource field use and audiences. Students get hands on experience using ArcGIS symbols labeling and annotation to make maps and to export maps into different formats. *PREREQUISITE:* Instructor's permission.

NATRS 270**Stream and Wetland Ecology (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. *PREREQUISITE:* ENGL& 101 and NATRS 172; and instructor's permission.

NATRS 271**Stream and Wetland Restoration (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. *PREREQUISITE:* Eligible for ENGL& 101, NATRS 100 and NATRS 172 or concurrent enrollment; and instructor's permission.

NATRS 272**Fish Identification and Habitat (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. *PREREQUISITE:* Instructor's permission.

NATRS 277**Natural Resources Internship 1 (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. *PREREQUISITE:* NATRS 290 and instructor's permission. This is a pass/no credit course.

NATRS 278**Natural Resources Internship 2 (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

NATRS 279**Natural Resources Internship 3 (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

NATRS 280**Natural Resources Internship 4 (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

NATRS 284**Road and Trail Engineering (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. *PREREQUISITE:* Instructor's permission and NATRS 181 with a grade of 1.5 or higher.

NATRS 286**Natural Resources Business Principles (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. *PREREQUISITE:* ENGL 099 or concurrent enrollment; and NATRS 172 or concurrent enrollment, and instructor's permission.

NATRS 290**Internship Seminar (1)**

For career-oriented natural resources students as a sequential course to NATRS 294. Covers business letters, resumes, applications, interviewing skills, and internship procedures. Conducts mock interviews and actual interviews for spring internships. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

NATRS 292**Resource Sampling and Appraisal of Forest Conditions (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. *PREREQUISITE:* ENGL 099 or concurrent enrollment and NATRS 172 or equivalent and concurrent enrollment and NATRS 181 with a grade of 1.5 or higher and NATRS 182 or concurrent enrollment; and instructor's permission.

NATRS 293**Silvicultural Analysis and Forest Protection (4)**

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. *PREREQUISITE:* Instructor's permission and NATRS 181 with a grade of 1.5 or higher.

NATRS 297**Independent Study-Natural Resources 4 (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. *PREREQUISITE:* Instructor's permission.

NATRS 298**Independent Study-Natural Resources 5 (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. *PREREQUISITE:* Instructor's permission.

NATRS 299**Independent Study-Natural Resources 6 (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. *PREREQUISITE:* Instructor's permission.

NATRS 300**Forest Ecology (5)**

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 personnel considerations as applied to forestry operations in Washington State and nationally. Students discuss and demonstrate applications of Washington Forest Practices. *PREREQUISITE:* ENGL 128 and NATRS 390; and instructor's permission.

NATRS 301**Resource Economics (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. *PREREQUISITE:* NATRS 180 or MATH& 141 or higher; or instructor's permission.

NATRS 385**Forest Protection and Disease Management (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. *PREREQUISITE:* ENGL 128 and instructor's permission.

NATRS 386**Bio Invasions: Invasive Species Management (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 invasives 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. *PREREQUISITE:* ENGL 128 and instructor's permission. Concurrent enrollment with NATRS 417.

NATRS 390**Environmental Decision Making and Conflict Resolution (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. *PREREQUISITE:* ENGL 128 and instructor's permission.

NATRS 399**Natural Resources Seminar (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. *PREREQUISITE:* ENGL& 101 and instructor's permission.

NATRS 400**Forest Practices, Law and Policy (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. *PREREQUISITE:* ENGL 128 and NATRS 390; and instructor's permission.

NATRS 401**Advanced Harvest Systems: Cable and Aerial Based (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. *PREREQUISITE:* ENGL 335 or equivalent; NATRS 180 or equivalent; and instructor's permission.

NATRS 402**Advanced Harvest Systems: Ground Based (5)**

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. *PREREQUISITE:* ENGL 335 or instructor's permission; NATRS 180 or instructor's permission; and instructor's permission.

NATRS 403**Transportation System Design (5)**

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. *PREREQUISITE:* ENGL 335 or equivalent; NATRS 180 or equivalent; and instructor's permission.

NATRS 416**UAV Applications and Mapping (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. *PREREQUISITE:* NATRS 172 or equivalent; and instructor's permission.

NATRS 417**Resource Management GIS Applications 1 (1)**

A supplementary GIS lab that accompanies NATRS 386 Advanced Silviculture (GRC only). 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. *PREREQUISITE:* NATRS 192. Concurrent enrollment with NATRS 386 and instructor's permission.

NATRS 418**Resource Management GIS Applications 2 (1)**

A supplementary GIS lab that accompanies NATRS 493 Advanced Silviculture (Green River College and Grays Harbor College). 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. *PREREQUISITE:* NATRS 192. Concurrent enrollment with NATRS 493 and instructor's permission.

NATRS 419**Resource Management GIS Applications 3 (1)**

A supplementary GIS lab that accompanies NATRS 461 Wildlife Ecology (GRC only). 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. *PREREQUISITE:* NATRS 192. Concurrent enrollment with NATRS 461 and instructor's permission.

NATRS 461**Wildlife Ecology (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. *PREREQUISITE:* Instructor's permission.

NATRS 471**Restoration Techniques (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. *PREREQUISITE:* ENGL 128 and instructor's permission.

NATRS 493**Advanced Silviculture (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). *PREREQUISITE:* ENGL 128, NATRS 293 or equivalent, and NATRS 180 or concurrent enrollment in MATH& 146; Concurrent enrollment in NATRS 418; and instructor's permission.

NATRS 494**Capstone in Natural Resources (5)**

Students participate within the 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. Students produce projects individually or in a team, culminating in a public presentation and report. *PREREQUISITE:* Instructor's permission.

NURSING (NURSE)**NURSE 101****Introduction to Computers in Nursing (1)**

Introduces use of computers in nursing. Familiarizes students with computers and hospital computerized information systems. Students explore a Computer-based hospital information system; learn to apply the nursing process in nursing care development; and practice precise and accurate patient documentation. *PREREQUISITE:* Instructor's permission.

NURSE 102**Introduction to Clinical Pharmacology in Nursing (3)**

Introduction to clinical drug therapy emphasizing the knowledge and interventions needed to maximize therapeutic effects and prevent or minimize adverse effects of drugs. Major content areas include basic concepts of pharmacology, groups of therapeutic drugs, prototypes of drugs, commonly prescribed individual drugs, drug effects on body tissues, and applying the nursing process in relation to prescribed therapy regimens. *PREREQUISITE:* Enrollment in Practical Nursing program or instructor's permission.

NURSE 104**Nursing 1-Fundamentals (6)**

Introduces the health-illness continuum, and integrates concepts of basic health and nursing process throughout each unit. *PREREQUISITE:* Completion of pre-admission requirements.

NURSE 105**Community Lab 1 (4)**

Taken concurrently with NURSE 104, this laboratory experience in both long term and acute care settings provides students basic nursing skills, including patient/client assessment, basic hygiene and assistance with activities of daily living. *PREREQUISITE:* Concurrent enrollment in NURSE 104 and instructor's permission.

NURSE 106**Nursing 2 (8)**

Students study diseases through the identification of the relationships and similarities of health problems. Students apply information to all age groups. *PREREQUISITE:* NURSE 104 and 105 and concurrent enrollment in NURSE 107; and instructor's permission.

NURSE 107**Nursing 2 Community Lab 2 (8)**

Lab experience planned concurrently with NURSE 106 in various healthcare settings. *PREREQUISITE:* NURSE 105 or instructor's permission; and concurrent enrollment in NURSE 106.

NURSE 109**Nursing 3 Community Lab 3 (8)**

A lab experience planned concurrently with NURSE 110. Provides opportunity to learn basic to more advanced nursing skills including patient/client assessment, basic hygiene and assistance with activities of daily living. *PREREQUISITE:* NURSE 105, 107 or instructor's permission.

NURSE 110**Nursing 3 (8)**

Study of diseases through the identification of the relationships and similarities of health problems. Students apply this information to all age groups. *PREREQUISITE:* Enrollment in the Practical Nursing Program; NURSE 106; and concurrent enrollment in NURSE 109; or instructor's permission.

NURSE 112**Nursing 4 (6)**

Study of the concepts of mental, physical, and emotional health of the mother and baby. Covers complex health problems through the life span focusing on mental illness and complex medical conditions. *PREREQUISITE:* NURSE 109 and 110; or instructor's permission; and enrollment in the Practical Nursing program.

NURSE 113**Nursing 4 Community Lab 4 (6)**

A lab experience planned concurrently with NURSE 112. Provides opportunity to learn more advanced medical surgical nursing skills, as well as mother/baby care. *PREREQUISITE:* NURSE 109 and 110; or instructor's permission; and concurrent enrollment in NURSE 112.

NURSE 114**Principles and Practice of Intravenous Therapy (2)**

Provides the novice and experienced nurse with the basic knowledge and awareness of the skills necessary to initiate and monitor intravenous therapy. Methods of instruction are both didactic and practical. *PREREQUISITE:* Enrollment in Practical Nursing program or instructor's permission.

NURSE 116**Nursing Issues and Delivery Systems (3)**

Introduces the concepts and skills to assist the nurse to remain flexible in the ever-changing nursing care scene. Provides a brief historical overview of nursing practice and identifies trends and nursing issues of the future. *PREREQUISITE:* NURSE 104.

NURSE 122**Health Professionals CPR with AED (1)**

Provides the nurse assistant and practical nurse students with the basic knowledge and skills for CPR (cardiopulmonary resuscitation) for the health care professional, including the use of the AED (automated external defibrillator). Follows the American Heart Association protocols. *PREREQUISITE:* Enrollment in Practical Nursing or Nurse Assistant program.

NURSE 127**AIDS/CPR Safety/Inspection Control (2)**

Provides education and training in infant, child, and adult cardiopulmonary resuscitation (CPR), automated external defibrillation (AED), and bag-mask valve techniques for individuals who are responsible for delivering emergency care. 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. Also provides education and training for health care providers of Human Immunodeficiency Virus (HIV) and Acquired Immunodeficiency Syndrome (AIDS) including: medical aspects, epidemiology, transmission, prevention, and treatment.

NURSE 194**Special Studies-Nursing (1-6)**

Enables students to pursue areas of special interest in the nursing field such as gerontology, adult critical care, pediatrics, and fetal monitoring.

NURSE 198**Independent Study-Nursing (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. *PREREQUISITE:* Instructor's permission.

NURSE 294**Special Studies in Nursing 2 (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.

NURSING ASSISTANT (NRS A)**NRS A 110
Nurse Assistant Theory (6)**

Students develop the concepts and knowledge necessary to provide entry level nurse assistant care. *PREREQUISITE:* Instructor's permission.

**NRS A 111
Nurse Assistant Community Lab (4)**

Students apply knowledge and develop the physical skills necessary to provide entry level nurse assistant care. *PREREQUISITE:* Concurrent enrollment in NRS A 110.

**NRS A 112
Introduction to Nursing Care Studies (2)**

Students develop the skills necessary to improve learning and retention of nursing care and studies. Includes skills of time management, study techniques, stress reduction, and critical thinking. *PREREQUISITE:* Concurrent enrollment in NRS A 111.

NUTRITION (NUTR)**NUTR& 101
Nutrition (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. *PREREQUISITE:* AP 100, AP 103 or BIOL& 160. Satisfies a natural science requirement for AA-DTA degree.

OCEANOGRAPHY (OCEA)**OCEA& 101
Introduction to Oceanography (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

OCCUPATIONAL THERAPY ASSISTANT (OTA)**OTA 100
Introduction to Occupational Therapy (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. *PREREQUISITE:* Instructor's permission.

**OTA 101
Life Span Growth and Development in Humans (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. For students pursuing health science careers. *PREREQUISITE:* Instructor's permission.

**OTA 102
OTA Applied Anatomy and Kinesiology (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. *PREREQUISITE:* Concurrent enrollment in OTA 103; and instructor's permission.

**OTA 103
Applied OT Applied Anatomy and Kinesiology Lab (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. *PREREQUISITE:* Concurrent enrollment in OTA 102; and instructor's permission.

**OTA 111
Fundamentals of Occupational Therapy as Health Care Providers (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. Students earn HIV/AIDS certification. *PREREQUISITE:* Concurrent enrollment in OTA 112; and instructor's permission.

**OTA 112
Professional Skills for Healthcare Providers Lab (2)**

Students demonstrate ability to apply strategies for learned communication with inter disciplinary 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. *PREREQUISITE:* Concurrent enrollment in OTA 111; and instructor's permission.

**OTA 120
Developmental Disabilities 1 (3)**

Students study the conditions that impede normal growth and development with special emphasis on cerebral palsy, mental retardation, ADHD/ADD, autism spectrum disorder, childhood genetic disorders, and learning disabilities. Explores developmentally appropriate occupational therapy treatment methods with opportunity for experiential learning of patient handling techniques. Emphasis is placed on the role of the OTA in different pediatric settings and the influence of legislation changes and laws that have influenced OT practice. *PREREQUISITE:* OTA 102 and OTA 103; concurrent enrollment in OTA 121; and instructor's permission.

**OTA 121
Developmental Disabilities 1 Lab (2)**

Lab allows for practical experience in patient screening tools, standardized assessment, and activity treatment interventions as it relates to developmental disabilities. *PREREQUISITE:* Concurrent enrollment in OTA 120; and instructor's permission.

**OTA 122
Physical Disabilities 1 (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. *PREREQUISITE:* OTA 102 and OTA 103; concurrent enrollment in OTA 123; and instructor's permission.

**OTA 123
Physical Disabilities 1 Lab (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. *PREREQUISITE:* Concurrent enrollment in O T 122; and instructor's permission.

**OTA 126
Clinical Seminar 1 (1)**

Teaches students the basics of client-therapist interaction, documentation, clinical issues, and therapeutic techniques. Includes weekly discussion of concurrent clinical experiences. *PREREQUISITE:* Concurrent enrollment in OTA 127 and OTA 128; and instructor's permission.

**OTA 127
Clinical Seminar Lab (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. *PREREQUISITE:* Concurrent enrollment in OTA 126 and OTA 128; and instructor's permission.

OTA 128**Application of Occupational Therapy Assistant 1 (1)**

Students participate in supervised clinical experience with clients in a community health care facility. Includes observation, planning and implementation of client treatments as assigned by clinical supervisor, and application of theory and treatment techniques. *PREREQUISITE:* Concurrent enrollment in OTA 126 and OTA 127; and instructor's permission. This is a pass/no credit course.

OTA 130**Professional Advocacy Experience (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. *PREREQUISITE:* Instructor's permission.

OTA 131**Physical Disabilities 2 (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. *PREREQUISITE:* OTA 102 and OTA 103; OTA 122 and OTA 123; Concurrent enrollment in OTA 132; and instructor's permission.

OTA 132**Physical Disabilities 2 Lab (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. *PREREQUISITE:* OTA 102 and OTA 103; OTA 122 and OTA 123; concurrent enrollment in OTA 131; and instructor's permission.

OTA 133**Psychosocial Dysfunction (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. *PREREQUISITE:* Concurrent enrollment in OTA 134; and instructor's permission.

OTA 134**Psychosocial Dysfunction Lab (1)**

Students apply the techniques used to meet mental health needs within the occupational therapy setting including psychosocial frames of reference and clinical conditions using the Occupational Therapy Practice Framework. *PREREQUISITE:* Concurrent enrollment in OTA 133; and instructor's permission.

OTA 194**Special Topics—Occupational Therapy (1-2)**

Intermediate level course that encourages students to study in a special area of occupational therapy. Students attend class on a regular basis to complete course project. *PREREQUISITE:* Instructor's permission.

OTA 198**Independent Study – Occupational Therapy Assistant (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

OTA 200**Developmental Disabilities 2 (1)**

An advanced level course that expands students' understanding of conditions that affect children. Focuses on introduction and discussion of task analysis, assistive technology and devices and occupational -based approaches. *PREREQUISITE:* OTA 120 and OTA 121; Concurrent enrollment in OTA 201; and instructor's permission.

OTA 201**Developmental Disabilities 2 Lab (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. *PREREQUISITE:* OTA 120 and OTA 121; concurrent enrollment in OTA 200; and instructor's permission.

OTA 202**Ethics, Society, and Professional Practice (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. *PREREQUISITE:* Instructor's permission.

OTA 210**Therapeutic Practices in Occupational Therapy (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 OTA Practice Framework in the development of intervention targeting ADL and IADL. Includes instruction in the responsibilities a COTA has in the areas of documentation, record keeping, service operations, research, and safety and infection control. *PREREQUISITE:* OTA 122; OTA 123; OTA 131; OTA 132; OTA 133; and concurrent enrollment in OTA 211.

OTA 211 Therapeutic Practices Clinical Skills Training (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. *PREREQUISITE:* OTA 122; OTA 123; OTA 131; OTA 132; OTA 133; concurrent enrollment in OTA 210; and instructor's permission.

OTA 212**Therapeutic Group Leadership (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. *PREREQUISITE:* Concurrent enrollment in OTA 213; and instructor's permission.

OTA 213**Therapeutic Group Leadership Lab (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. *PREREQUISITE:* Concurrent enrollment in OTA 212; and instructor's permission

OTA 220**Therapeutic Activities 2 (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. *PREREQUISITE:* Instructor's permission.

OTA 221**Therapeutic Group Activities 2 Lab (2)**

Students implement and lead activities for clients of all ages, characteristics of different type of groups, and developmental levels of a group. *PREREQUISITE:* Concurrent enrollment in OTA 220; and instructor's permission.

OTA 222**Clinical Seminar 2 (1)**

Students learn basics of patient-therapist interaction, documentation, clinical issues, and therapeutic techniques. Also includes weekly discussion of concurrent clinical experiences. *PREREQUISITE:* Concurrent enrollment in OTA 223; and instructor's permission.

OTA 223**Application of OTA Co-op Experience 2 (1)**

Students participate in supervised clinical experience with patients in a community health care facility. Includes observation, planning and implementation of patient treatments as assigned by clinical supervisor. *PREREQUISITE:* Concurrent enrollment in OTA 222; and instructor's permission. This is a pass/no credit course.

OTA 224**Therapeutic Adaptations (5)**

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 well-being. *PREREQUISITE:* O T 200 or instructor's permission.

OTA 228**Pre-Fieldwork Experience Seminar (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. *PREREQUISITE:* Instructor's permission.

OTA 240**Fieldwork Experience Seminar 1 (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. *PREREQUISITE:* Concurrent enrollment in OTA 245; and instructor's permission.

OTA 241**Fieldwork Experience Seminar 2 (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. *PREREQUISITE:* Concurrent enrollment in OTA 246; and instructor's permission.

OTA 245**Co-op Fieldwork Experience 1 (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. *PREREQUISITE:* Concurrent enrollment in OTA 240; and instructor's permission. This is a pass/no credit course.

OTA 246**Co-op Fieldwork Experience 2 (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. *PREREQUISITE:* OTA 245; concurrent enrollment in OTA 241; and instructor's permission. This is a pass/no credit course.

PHILOSOPHY (PHIL)**PHIL& 101****Introduction to Philosophy (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? *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 102**Contemporary Moral Problems (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 103**Historical Survey-Ancient Philosophy (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 104**Historical Survey-Medieval Philosophy (5)**

Introduces students to the medieval philosophy of western civilization. Looks at the period of philosophy from the early Christian era through the scholasticism of the medieval period, including such philosophers as St. Augustine, St. Anselm, Averroes, St. Thomas Aquinas, Duns Scotus and William of Ockham. Emphasizes how past thinkers have influenced current thought and practice. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 105**Historical Survey-Modern Philosophy (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 108**Historical Survey-Contemporary Philosophy (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 110**Social and Political Philosophy (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? *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 111**Science, Technology and Value (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a humanities requirement for AA-DTA degree.

PHIL 112**Ethics in the Workplace (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, whistle-blowing, and the rights and responsibilities of employers and employees. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 114**Philosophical Issues in Law (5)**

Introduces students to the philosophical issues that arise in law and legal reasoning. Sample topics include patterns of legal reasoning, crime and punishment, civil disobedience, affirmative action, freedom of speech, and legal paternalism. Readings may include material from actual legal cases, as well as from philosophical essays. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

170 Course Descriptions

PHIL& 115

Critical Thinking (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL& 120

Symbolic Logic (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. *PREREQUISITE:* MATH 097 with a grade of 2.0 or higher; or eligible for MATH& 107 or higher. Satisfies a natural science requirement or, under certain conditions, the quantitative component of the basic skills requirement for AA-DTA degree.

PHIL 160

Introduction to the Philosophy of Science (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 194

Special Topics-Philosophy (3-5)

Allows students to pursue a philosophical topic that is not part of the regular curriculum. Course content varies depending on requests from students or the opportunity to present special topics. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

PHIL 199

Independent Study-Philosophy 1 (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. *PREREQUISITE:* Two courses in Philosophy, a topic that some member of the department is qualified to direct and evaluate, and permission from the division chair and instructor. Eligible for ENGL 099 or instructor's permission.

PHIL 200

Introduction to the Philosophy of Religion (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 206

Gender and Philosophy (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

PHIL 210

Comparative Religion (5)

Introduces students to the main religions of the world and 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, and Islam. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 215

Advanced Studies in Formal Logic (5)

Continues to study the quantitative and symbolic techniques used in formal logic. Covers an advanced study of predicate logic and introduces non-classical logics. Students may also review some metalogic proofs and are introduced to topics in the philosophy of logic. *PREREQUISITE:* PHIL& 120 with a grade of 2.0 or higher and eligible for MATH& 141. Satisfies a natural science requirement for AA-DTA degree.

PHIL 220

Introduction to Eastern Philosophy (5)

Introduces students to eastern philosophies. Helps students understand the philosophical similarities among these philosophies, especially as they relate to reality, value, knowledge, and religion. Topics may include Hinduism, Buddhism, Confucianism, Mohism, and Taoism. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 236

Existentialism (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 238

Introduction to Philosophy of Human Rights (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? *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

PHIL 240

Introduction to Ethics (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? *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 243

Environmental Ethics (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

PHIL 299

Independent Study-Philosophy 2 (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. *PREREQUISITE:* Two courses in philosophy, a topic that some member of the department is qualified to direct and evaluate, and permission from the division chair and instructor. Eligible for ENGL 099 or instructor's permission.

PHIL 412

Professional Ethics (5)

Provides an advanced approach to ethical issues across the professions. Topics include intellectual property rights and piracy, truth-telling vs. well-meaning deception, privacy and confidentiality, conflicts of interest and loyalty, self-regulation, and whistle-blowing. *PREREQUISITE:* Admission into a bachelor's degree program; ENGL& 101; and instructor's permission.

PHLEBOTOMY (PHLEB)**PHLEB 101
Fundamentals of Phlebotomy (5)**

Students learn the role and responsibilities of becoming a phlebotomist in all types of health care facilities. Students demonstrate knowledge of legal issues and safety precautions/preventions related to phlebotomy practices. Students demonstrate professional appearance, value diversity in the workplace and possess the ability to communicate effectively and professionally with patient and staff. Students gain knowledge of quality assurance and quality control measures and adhere to policies and procedures used in the laboratory. Students demonstrate knowledge of blood-borne pathogens and practice the prevention and precautionary measures necessary to protect all individuals from exposure. *PREREQUISITE:* Instructor's permission.

**PHLEB 102
Phlebotomy Laboratory Skills (2)**

Students obtain knowledge of blood collection equipment, various types of additives used and special precautions and substances which interfere with testing. Students identify the types of equipment needed to collect blood by venipuncture and/or capillary source, utilizing appropriate devices. Students utilize antiseptics and disinfectants in all procedures as appropriate. Students learn to compare various types of requisitions and practice reading simulated provider's orders. Students verbalize an understanding and respect for pre-analytical errors that may occur during collection. Students demonstrate transport and process of specimens. Students learn special collections such as blood banking, GTT, isolation, and PKU. Students simulate complications of blood draw such as syncope, phobias, and challenged draws. Students process verbal or written orders and give important verbal information or other pertinent concerns about the patient, policy, or practices to appropriate individuals. *PREREQUISITE:* Instructor's permission.

**PHLEB 103
Phlebotomy Technician Practicum (3)**

Under supervision, students collect blood specimens in a healthcare facility, using various techniques such as ETS, butterfly, syringe or capillary methods. Types of patients include elderly, children, outpatients and inpatients, including patients in the emergency room, under supervision of staff. Draws are done by STAT, or routine or possibly send-out testing. *PREREQUISITE:* Instructor's permission.

PHOTOGRAPHY (PHOTO)**PHOTO 101
Beginning Black and White
Photography (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 an activity or a humanities requirement for AA-DTA degree.

**PHOTO 102
Intermediate Photography (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. *PREREQUISITE:* PHOTO 101. Satisfies a humanities requirement for AA-DTA degree.

**PHOTO 103
Advanced Photography (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. *PREREQUISITE:* PHOTO 102. Satisfies a humanities requirement for AA-DTA degree.

**PHOTO 111
Beginning Digital Photography (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 an activity or a humanities requirement for AA-DTA degree.

**PHOTO 112
Intermediate Digital Photography (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. *PREREQUISITE:* PHOTO 111. Satisfies an activity requirement for AA-DTA degree.

**PHOTO 113
Advanced Digital Photography (5)**

Furthers 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. *PREREQUISITE:* PHOTO 112. Satisfies an activity requirement for AA-DTA degree.

**PHOTO 197
Independent Study-Photography (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. *PREREQUISITE:* Instructor's permission.

PHYSICAL EDUCATION (P E)**P E 101
Physical Fitness Lab (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

**P E 102
Jogging (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

**P E 103
Total Physical Fitness (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

**P E 107
Basketball (1)**

Focuses on the fundamentals of basketball as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with basketball and learn the rules governing the game.

**P E 108
Tennis (1)**

Focuses on the fundamentals of tennis as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with tennis and learn the rules governing the game.

**P E 109
Court Games (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.

**P E 110
Golf (1)**

Focuses on the fundamentals of golf as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with golf and learn the rules governing the game.

P E 111**Aerobic Walking (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

P E 112**Karate (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.

P E 113**Group Dynamic Activities (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.

P E 114**Cardio Conditioning (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.

P E 115**Kick-Box Aerobics (1)**

Focuses on cardiorespiratory fitness using skills and techniques of kick-boxing 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.

P E 216**Advanced Karate (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.

P E 117**Badminton/Pickleball (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.

P E 118**Volleyball (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.

P E 119**Intermediate and Advanced Volleyball (1)**

Focuses on intermediate and advanced volleyball skills and strategies. Students practice and acquire intermediate and advanced techniques and skills associated with volleyball. *PREREQUISITE:* P E 118 or instructor's permission.

P E 121**Badminton (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.

P E 122**Archery (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.

P E 124**Indoor Soccer (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.

P E 125**Soccer (1)**

Focuses on the fundamentals of soccer as a lifetime leisure activity. Enables the participant to practice and acquire techniques and strategies associated with soccer and learn the rules governing the game.

P E 128**Slow Pitch (1)**

Focuses on the fundamentals of slow pitch softball as a lifetime leisure activity. Enables the participant to practice and acquire proper techniques and strategies associated with softball and learn the rules governing the game.

P E 129**Pickleball (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.

P E 131**Weight Training (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

P E 132**Strength Conditioning (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.

P E 134**Tai Chi 1 (1)**

Focuses on Tai Chi as a lifetime leisure activity. Students learn the first half of the complete Chen Style Simplified 24 Form and qigong exercises. Tai Chi practice is suitable for the general population, as well as athletes. Benefits may include stress reduction, increased stamina, and injury prevention through an improvement in joint stability and broader range of motion. Prepares students for Tai Chi 2.

P E 136**Yoga 1 (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.

P E 137**Body Toning (1)**

Focuses on total body conditioning using hand-held weights, bands, and exercises set to music. Improves cardiorespiratory endurance, body composition, flexibility, and muscular strength and endurance.

P E 138**Zumba (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.

P E 139**Step Aerobics (1)**

Focuses on cardiorespiratory fitness using bench/step aerobics 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.

P E 140**Step and Weights (1)**

Focuses on total body conditioning. Improves cardiorespiratory endurance, body composition, flexibility, and muscular strength and endurance using steps for aerobic activity and dumbbells for resistance training. Resistance training follows aerobic activity.

P E 141**Qi Gong (1)**

Uses Qi Gong to focus on balance, interior training, energy, and body awareness. Instructors lead students through slow movements resulting in improved balance, reduced stress, enhanced breathing, improved joint health and stability, and reduced blood pressure. Qi Gong is suitable for all ages.

P E 143**Karate and Kick Box Aerobics (1)**

Focuses on karate and kick-box aerobics using traditional Shito-Ryu karate and kick-boxing combined with music. Students receive instruction in karate etiquette, Japanese terminology, traditional Kata form, basic self-defense, basic blocks, kicks, and bag workouts. Participation in kick-box aerobics follows karate.

P E 144**Cross-Training (1)**

Focuses on enhancing physical performance. Training options include indoor or outdoor running, interval training, core training, and various speed and agility drills. Develops general strength and endurance of the respiratory and circulatory systems, reduces or maintains body fat levels, and provides knowledge in safe and sound fitness training principles.

P E 147**Pilates/Yoga (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.

P E 148**CORE Training (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.

P E 149**CORE Training for Health (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

P E 150**Intermediate Basketball (1)**

Focuses on skills and techniques associated with intermediate basketball. Students practice and acquire intermediate skills and techniques and apply the rules governing the game. *PREREQUISITE:* P E 107 or instructor's permission.

P E 158**Cardio Fusion (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 hand-held weights, resistance bands, therapy balls, and aerobic exercise set to music. Appropriate for all fitness levels.

P E 160**Exercise and Nutrition (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

P E 165**Exercise and Health (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. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

P E 168**Flexibility Training (1)**

Focuses on flexibility training for men and women of all ages and fitness levels using a variety of stretching techniques. Emphasizes a progressive training system of active and static stretching, movement and conditioning techniques.

P E 169**Fitness and Health (3)**

Provides students with the information necessary to make wise lifestyle choices and adopt proactive behaviors regarding fitness and health. Explores the principles and benefits of safe and effective physical activity, nutrition and eating for optimal health, cardiovascular health, cancer, and risk reduction. Designed for students with documented, limited ability to participate in physical activity and those with military basic training. *PREREQUISITE:* Instructor's permission. Satisfies a lifetime fitness/wellness requirement for AA-DTA degree.

P E 193**Field Hiking (1-2)**

Focuses on field hiking for students concurrently enrolled in Green River's study abroad program. Develops cardiorespiratory endurance, allows students to practice safe hiking techniques, observe proper protocol, and experience various types of hikes. May include urban river and greenway hikes, forested mountain hikes, desert mountain hikes, historic trail hikes, and beach hikes. An initial orientation includes information on basic principles of aerobic activity, heat and sun exposure, 10 essentials for hiking and hiking etiquette. *PREREQUISITE:* Concurrent enrollment in Green River Study Abroad Program.

P E 198**Independent Study-Physical Education 1 (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. *PREREQUISITE:* Instructor's permission.

P E 201**Advanced Physical Fitness Lab (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. *PREREQUISITE:* P E 101 or instructor's permission.

P E 202**Physical Fitness Lab (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. *PREREQUISITE:* P E 201 or instructor's permission.

P E 207**Advanced Basketball (1)**

Focuses on the advanced skills of basketball as a lifetime leisure activity, as well as a competitive sport. Enables students to continue to practice proper techniques and strategies associated with basketball, learn the rules governing the game, and focus on advanced technical skills. *PREREQUISITE:* P E 150 or instructor's permission.

P E 210**Intermediate Golf (1)**

Focuses on golf as a lifetime leisure activity. Students practice and acquire intermediate skills and techniques associated with golf. *PREREQUISITE:* P E 110 or instructor's permission.

P E 211**Advanced Tennis (1)**

Focuses on the advanced skills of tennis as a lifetime leisure activity, as well as a competitive sport. Enables students to continue to practice proper techniques and strategies associated with tennis, learn the rules governing the game, and focus on advanced technical skills. *PREREQUISITE:* P E 108 or instructor's permission.

P E 212**Advanced Jogging (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. *PREREQUISITE:* P E 102.

P E 215**Advanced Aerobic Walking (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. *PREREQUISITE:* P E 111.

P E 216**Advanced Karate (1)**

Focuses on advanced techniques of traditional Shit-Ryu Karate, traditional Kata (form) and other techniques. Students receive instruction in competition sports techniques, rules, and sparring. Japanese terminology, self-defense and basic techniques, or previous martial arts experience required.

P E 224**Advanced Soccer (1)**

Focuses on the fundamentals of soccer as a lifetime leisure activity, as well as a competitive sport. Enables students to continue to practice proper techniques and strategies associated with soccer, learn the rules governing the game, and focus on advanced technical skills. *PREREQUISITE:* Instructor's permission.

P E 231**Advanced Weight Training (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. *PREREQUISITE:* P E 131 or instructor's permission.

P E 234**Tai Chi 2 (1)**

Focuses on Tai Chi as a lifetime leisure activity. Students learn the second half of the complete Chen Style Simplified 24 Form and qigong exercises. Tai Chi practice is suitable for the general population as well as athletes. Benefits may include stress reduction, increased stamina, and injury prevention through an improvement in joint stability and broader range of motion. *PREREQUISITE:* P E 134.

P E 236**Yoga 2 (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.

P E 237**Advanced Body Toning (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. *PREREQUISITE:* P E 137.

P E 247**Advanced Pilates/Yoga (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. *PREREQUISITE:* P E 147.

P E 248**Advanced Core Training (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. *PREREQUISITE:* P E 148.

P E 251**Advanced Sport Conditioning (2)**

Uses aerobic activity, anaerobic activity, and weight training. Allows students to continue training and gain information appropriate for sport-specific conditioning. *PREREQUISITE:* P E 151.

P E 253**Advanced Total Physical Fitness (3)**

Emphasizes total body fitness focusing on aerobic activity and resistance training. Allows students to continue and improve their total physical fitness. *PREREQUISITE:* P E 103.

P E 258**Advanced Cardio Fusion (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. *PREREQUISITE:* P E 158.

P E 298**Independent Study- Physical Education 2 (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. *PREREQUISITE:* Instructor's permission.

PHYSICAL THERAPIST ASSISTANT (PTA)**PTA 101****Introduction to Physical Therapy (3)**

Introduces physical therapy and emphasizes the role and practice of the health practitioner, documentation, ethics, standards of practice and the law. Covers the history and organization of the profession. *PREREQUISITE:* Instructor's permission.

PTA 102**Therapeutic Interaction in Health Care (2)**

Explores the skills, behaviors, and attitudes necessary for effective patient-practitioner interaction, peer interaction and team participation. *PREREQUISITE:* Instructor's permission.

PTA 105**Patient Care Skills (3)**

Introduces patient care including medical terminology, vital signs, universal precautions/ aseptic technique, body mechanics, assisted ambulation and transfers, patient positioning and draping, passive range of motion, and handling techniques/therapeutic touch. *PREREQUISITE:* Instructor's permission.

PTA 110**Principles of Physical Therapy Agents 1 (2)**

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; and pulmonary hygiene. *PREREQUISITE:* PTA 105; and concurrent enrollment in PTA 160.

PTA 111**Principles of Physical Therapy Agents 2 (3)**

Covers the study of and application of physical therapy agents including ultrasound, phonophoresis, iontophoresis, electromagnetic radiation, electrotherapy, biofeedback, cervical and lumbar traction. *PREREQUISITE:* PTA 110 and PTA 160; and concurrent enrollment in PTA 161.

PTA 113**Posture and Movement (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. *PREREQUISITE:* H SCI 102 and H SCI 162; and concurrent enrollment in PTA 163.

PTA 114**Tests and Measurements (2)**

Covers the study and application of tests and measurements used to gather data about muscle strength, range of motion (ROM) and flexibility. *PREREQUISITE:* H SCI 102 and H SCI 162.

PTA 130**Survey of Pathophysiology 1 (3)**

Provides an introduction to general pathology with emphasis on the study of diseases and disorders most commonly seen in PT practice throughout the life span. *PREREQUISITE:* H SCI 102 and H SCI 162.

PTA 131**Survey of Pathophysiology 2 (3)**

Continues to introduce the principles of pathophysiology as it relates to physical therapy. Includes an overview of disease processes with emphasis on general pathology, etiology, signs, symptoms and treatment protocols for specific patient diagnoses. Course two of a two-part series. *PREREQUISITE:* PTA 130.

PTA 151**Clinical Preparation (1)**

Discussion and application of student preparation for clinical experience. *PREREQUISITE:* PTA major.

PTA 160**Principles of Physical Therapy Agents 1 Lab (3)**

The practice of external compression and bandaging; length, girth, and volumetric measure; thermotherapy including superficial heat, cryotherapy and paraffin; hydrotherapy; soft tissue mobilization; and pulmonary care. *PREREQUISITE:* PTA 105; and concurrent enrollment in PTA 110.

PTA 161**Principles of Physical Therapy Agents 2 Lab (3)**

Practical application of physical therapy agents including ultrasound, phonophoresis and iontophoresis, EM radiation, electrotherapy, and cervical and lumbar traction. *PREREQUISITE:* PTA 110 and 160; and concurrent enrollment in PTA 111.

PTA 163**Posture and Movement Lab (3)**

Provides laboratory experiences related to the assessment of posture and gait and the function of prostheses and orthoses. *PREREQUISITE:* H SCI 102 and H SCI 162; and concurrent enrollment in PTA 113.

PTA 199**Independent Study-Physical Therapy (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. *PREREQUISITE:* Instructor's permission.

PTA 201**Current Trends and Professionalism in Healthcare (3)**

Study of the relationship of medical, legal and socioeconomic issues to the practice of physical therapy. Discussions of related topics in health care to physical therapist assistant practice, and explore management concerns and fiscal issues in physical therapy.

PTA 205**Functional Training (2)**

Covers the study of and application of functional training techniques used in the treatment of physical dysfunction. *PREREQUISITE:* H SCI 101 and H SCI 161.

PTA 210**Therapeutic Exercise (2)**

Focuses on theory and principles of therapeutic exercise and selected kinesiology and neurologic principles related to therapeutic exercise. *PREREQUISITE:* PTA 114 and concurrent enrollment in PTA 260.

PTA 211**Advanced Rehab Procedures (3)**

Focuses on advanced procedures and techniques applied to the treatment of specific impairments primarily of neurologic origin. *PREREQUISITE:* PTA 210 and PTA 260; and concurrent enrollment in PTA 261.

PTA 212**Acute Care (2)**

Explores physical therapy in acute care including cardiac care, pulmonary care, burn care and geriatrics. *PREREQUISITE:* PTA 130 and concurrent enrollment in PTA 262.

PTA 213**Orthopedic Therapy (3)**

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. *PREREQUISITE:* PTA 210 and PTA 260; and concurrent enrollment in PTA 263.

PTA 251**Clinical Supervision 1 (1)**

Clinical supervision group discusses and develops skills for effective practice including the patient interview, the identification and reporting of suspected domestic violence, issues in pharmacology, therapeutic interaction and effective problem solving. *PREREQUISITE:* PTA 151 and concurrent enrollment in PTA 277.

PTA 252**Clinical Supervision 2 (1)**

Clinical supervision group discusses and develops skills for employment and practice including therapeutic interaction, problem solving, issues of cultural competency, and patient advocacy, as well as relating concepts to concurrent experience in PTA 278. *PREREQUISITE:* PTA 251 and concurrent enrollment in PTA 278.

PTA 253**Clinical Supervision 3 (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. *PREREQUISITE:* PTA 252 and concurrent enrollment in PTA 279 or 280. This is a pass/no credit course.

PTA 260**Therapeutic Exercise Lab (3)**

Practice of therapeutic exercise and selected kinesiology and neurologic principles related to therapeutic exercise. *PREREQUISITE:* PTA 114; and concurrent enrollment in PTA 210.

PTA 261**Advanced Rehabilitation Procedures Lab (3)**

Practice of techniques studied in PTA 211. *PREREQUISITE:* PTA 210 and PTA 260; and concurrent enrollment in PTA 211.

PTA 262**Acute Care Lab (1)**

Practice of techniques studies in PTA 212. *PREREQUISITE:* PTA 130 and concurrent enrollment in PTA 212.

PTA 263**Orthopedic Therapy Lab (2)**

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. *PREREQUISITE:* PTA 210 and PTA 260; and concurrent enrollment in PTA 213.

PTA 277**Clinical Affiliation 1 (1)**

Supervised clinical experiences are to familiarize the student with physical therapy practice. Students are expected to actively participate in patient care, applying knowledge and skills from coursework. *PREREQUISITE:* Concurrent enrollment in PTA 251. This is a pass/no credit course.

PTA 278**Clinical Affiliation 2 (2)**

Supervised clinical experiences are to familiarize the student with physical therapy practice. Students are expected to actively participate in patient care, applying knowledge and skills from coursework, building on the experience in PTA 277. *PREREQUISITE:* Concurrent enrollment in PTA 252. This is a pass/no credit course.

PTA 279**Clinical Affiliation 3 (6)**

Internship requiring practical performance and application of physical therapy procedures and techniques under supervision in a selected clinical setting that may be inpatient, outpatient or specialized practice. *PREREQUISITE:* PTA 278 and concurrent enrollment or completion of PTA 253. This is a pass/no credit course.

PTA 280**Clinical Affiliation 4 (7)**

A second internship requiring practical performance and application of physical therapy procedures and techniques under supervision in a clinical setting different from PTA 279, in an inpatient, outpatient or specialized practice. *PREREQUISITE:* PTA 279 and concurrent enrollment in or completion of PTA 253. This is a pass/no credit course.

PHYSICS (PHYS)**PHYS 107****Twenty-First Century Physics for Everyone (5)**

Students study the discoveries in modern physics and use it to explore the nature of science. Discusses the building blocks of matter, the fundamental forces of nature, gravity, and quantum theory. Intended for non-science majors, but science students may enjoy the course as well. Non-lab science. Does not transfer as a course which applies to a science major. *PREREQUISITE:* Eligible for ENGL 101 or higher; and MATH 097 or higher. Satisfies a natural science requirement for AA-DTA degree.

PHYS& 110**Physics Non-Science Majors with Lab (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. *PREREQUISITE:* Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS& 114**General Physics I with Lab (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. *PREREQUISITE:* Eligible for ENGL& 101 and a grade of 2.0 or higher in MATH 097 or 116; or 1-1/2 years of high school algebra. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS& 115**General Physics II with Lab (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. *PREREQUISITE:* Eligible for ENGL& 101; and a grade of 2.0 or higher in PHYS& 114 and in MATH 097; or 1-1/2 years of high school algebra. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS& 116**General Physics III with Lab (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. *PREREQUISITE:* Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 115 and MATH 097, or 1-1/2 years of high school Algebra. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS 154**Physics for the Life Sciences 1 (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. *PREREQUISITE:* Eligible for ENGL& 101 and a grade of 2.0 or higher in MATH 097 or 1-1/2 years of high school Algebra. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS 155**Physics for the Life Sciences 2 (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. *PREREQUISITE:* Eligible for ENGL& 101 and a grade of 2.0 or higher in PHYS& 114 or PHYS 154 and in either MATH 097 or 1 1/2 years of high school Algebra. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS 156**Physics for the Life Sciences 3 (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. *PREREQUISITE:* A grade 2.0 or higher in PHYS& 115 or PHYS 155; eligible for ENGL& 101; and a grade of 2.0 or higher in either MATH 097; or 1 1/2 years of high school algebra. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS& 221**Engineering Physics I with Lab (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. *PREREQUISITE:* 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 a lab or natural science requirement for AA-DTA degree.

PHYS& 222**Engineering Physics II with Lab (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. *PREREQUISITE:* 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 a lab or natural science requirement for AA-DTA degree.

PHYS& 223**Engineering Physics III with Lab (5)**

Study of classical wave properties with applications to mechanical and electrical systems, sound, electromagnetic waves, light, and atomic physics. *PREREQUISITE:* 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& 153. Satisfies a lab or natural science requirement for AA-DTA degree.

PHYS 225**Modern Physics (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. *PREREQUISITE:* 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&153. Satisfies a natural science requirement for AA-DTA degree.

PHYS 229**Electric and Magnetic Fields (2)**

Introduces the quantitative laws of electricity and magnetism including principles of electromagnets, electric generators, and electromagnetic waves. *PREREQUISITE:* 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& 153 and PHYS& 223. Satisfies a natural science requirement for AA-DTA degree.

PHYS 230**Undergraduate Research (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. *PREREQUISITE:* 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&153 and PHYS& 223.

PHYS 298**Independent Study-Physics (1-5)**

Students contract with an instructor to study topics not part of a regular class. Topics must be in physics or related fields. *PREREQUISITE:* One year of physics and instructor's permission.

POLITICAL SCIENCE (POLS)**POLS& 101****Introduction to Political Science (5)**

Students explore and analyze political philosophies, ideologies, the historical development of political thought, democracy, authoritarianism, and major "isms" (liberalism, conservatism, capitalism, socialism, communism, fascism, political-religious fundamentalism, etc.). Students assess how well each ideology has dealt with social, economic, and political problems. Students explore and analyze why people choose any ideology over others. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

POLS 194**Special Topics–Political Science (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. Students may be involved in selecting projects and research topics. *PREREQUISITE:* Eligible for ENGL 099 and instructor's permission required for individual researcher projects.

POLS& 200**Introduction to Law (5)**

Introduces the legal system through an examination of several substantive areas that interest both business and non-business students. Covers constitutional law, contracts, torts, product liability, and criminal law. Uses business environment perspectives, but also considers general social context within which these laws have emerged. Discusses structure of American legal system and investigates sources of law for that system. *PREREQUISITE:* READ 094 with a grade of 2.0 or higher; or eligible for READ 104. Satisfies a social science requirement for AA-DTA degree.

POLS& 202**American Government (5)**

Introduces students to the American political system – its origins, institutions, and operations. Students analyze and understand politics, power, and resulting policy. Examines formal and informal institutions of government, conventional and unconventional means of citizen participation, and political outcomes. Explores the strengths and weaknesses of various interpretations of American democracy. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

POLS& 203**International Relations (5)**

Introduces students to major theoretical approaches in the field of international relations. Explores nations and nationalism, the nature of the interstate system, and power. Includes topics such as diplomacy, trade, economic sanctions, increasing technological and economic globalization, international law, international political economy, labor, the environment, and war. *PREREQUISITE:* Eligible for ENGL&101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

POLS& 204**Comparative Government (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

POLS 207**American Political Participation (5)**

Examines forms of American political participation. Focuses on such activities as elections, social movements, civil disobedience, political violence, as well as political mobilization activities via the internet. Also examines the causes and effects of nonparticipation. A central goal is to investigate the democratic theories that underpin American politics. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

POLS 209**State and Local Government Politics (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 inter-governmental relations. Students engage current political issues. *PREREQUISITE:* Eligible for ENGL&101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

POLS 220**Food Politics and Law (5)**

A comparative politics and law course considering motivations/behaviors of food producers, lobbyists, and members of legislative bodies, including the respective roles of governmental regulatory agencies, as well as case law relevant to food/agricultural issues pertaining to customs, ethics, political culture and the profit motive. The potential effects and implications of relevant and actual trade agreements (actual and proposed/pending). *PREREQUISITE:* Instructor's permission. Satisfies a social science requirement for AA-DTA degree.

POLS 298**Independent Study–Political Science (1-5)**

Enables students to individually pursue special interests or opportunities to study in political science under guidance of an instructor. *PREREQUISITE:* POLS& 101 or POLS&202, or instructor's permission.

PRIOR LEARNING ASSESSMENT (PLA)**PLA 099****Independent Study-Prior - Learning Assessment (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

PSYCHOLOGY (PSYC)**PSYC& 100****General Psychology (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC& 180**Human Sexuality (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. *PREREQUISITE:* PSYC& 100 or eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC& 200**Lifespan Psychology (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. *PREREQUISITE:* PSYC& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC 201**Personality (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. *PREREQUISITE:* PSYC& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC 209**Fundamental of Psychological Research (5)**

Introduces psychological research. Topics include interpretation of research, research problems and design, scientific writing, ethics, and literature review techniques. *PREREQUISITE:* PSYC& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC& 220**Abnormal Psychology (5)**

Covers the diagnosis, causes, and treatment of abnormal behavior. Topics may include defining abnormality, the history of abnormality, and differing theoretical models used to explain the cause of abnormality and the supporting research. Reviews disorders such as depression, anxiety, schizophrenia, anorexia nervosa, and multiple personality disorder. *PREREQUISITE:* PSYC& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC 225**Fundamentals of Physiological Psychology (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. *PREREQUISITE:* PSYC& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC 240**Social Psychology (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. *PREREQUISITE:* PSYC& 100. Satisfies a social science requirement for AA-DTA degree.

PSYC 250**Health Psychology (5)**

Offers an overview of psychological and behavioral factors in health and disease. Content covers factors underlying health habits, methods to enhance health behaviors and prevent disease, stress and stress management, and patient-provider interactions. *PREREQUISITE:* PSYC& 100 and eligible for ENGL& 101; or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

PSYC 298**Independent Study-Psychology 1 (1-5)**

Allows students to pursue a special field of interest in psychology under the guidance of an instructor. *PREREQUISITE:* PSYC& 100 and instructor's permission.

PSYC 299**Independent Study-Psychology 2 (1-5)**

Continues project started in PSYC 298, or a second project. *PREREQUISITE:* PSYC 298 and instructor's permission.

REAL ESTATE (R EST)**R EST 101****Real Estate Fundamentals 1 (3)**

This 33-hour course meets the new state requirements for those who intend to take the Real Estate License Exam. Topics include nature of real property, estates in land, land acquisition, ownership and transfer, contract law agency and brokerage, law and ethics, real estate finance, appraisal, economics, property management, the government and the real estate industry, taxation, real estate ownership operation, real estate math, Washington law, and the real estate industry.

R EST 102**Real Estate Fundamentals 2 (3)**

In conjunction with R EST 101, this class meets the state requirement for individuals seeking a real estate salesperson's license to complete a 60-clock hour course in real estate fundamentals. Topics include Real Estate as a Career, The Selling Process, Listing Agreements and Procedures, Agency Law and Brokerage Relationships, Real Estate License Law, and Fair Housing Issues and Consumer Protection. Eligible for 30 clock-hour credits.

R EST 110**Varies (2)**

A 1-2 credit format (7.5 to 15 clock hours per course). Can be selected to qualify for the 30-clock hour Real Estate Continuing and Community Education requirement, as approved by the Washington state Department of Licensing.

R EST 120**Real Estate Law (3)**

A practical study of Washington Real Estate Law, emphasizing the more complex aspects of ownership, use and transferability of real estate as encountered by brokers and others who deal with real property. Covers Washington Real Estate Agency Law, Lending Law, contracts, titles, deeds, leases, liens, covenants, conditions, restrictions, easements, estates, probate, and landlord-tenant relationships. Includes a review of significant Washington cases.

R EST 130**Residential Appraisal (3)**

Focuses on single family residences, small rental units (1-4), raw land for single family residential units and rental units (1-4). Covers the theories, functions and purposes of appraisal. Uses principles and techniques to determine the value of real property. Covers application of cost and market data approaches to residential value for the purpose of purchasing and selling real property.

R EST 140**Real Estate Sales Practices (3)**

Teaches the why's and how's of real estate sales principles so that students can apply principles of selling as they relate to the real estate salesperson. Includes the methods and procedures of listing, prospecting or preparing earnest money agreements. Also includes advanced real estate sales information.

R EST 150**Real Estate Finance (3)**

Policies, problems and methods involved in financing and investing in various types of real property. Includes taxation analysis, exchanges, sources of loan funds, types of financing methods, institutional and government policies, and instruments and methods of loan processing.

R EST 160**Investment/Commercial Appraisal (3)**

Subject properties include residential income (five or more units), mobile home parks, offices, shopping centers, industry and warehouse properties, and raw land and development. Covers approaches to valuation in income, capitalization, replacement and cost.

R EST 170**Real Estate Property Management (3)**

Important functions in building management, residential property analysis, equipment, rental policies, vacancy and rental surveys, lease provisions, inspection, building codes, tenant relations, operating policies and financial result analysis.

R EST 180**Office Administration (3)**

Practical administration of real estate brokerage, including all managerial functions with special emphasis on brokerage, budgets, sales management, advertising, sales training, market analysis and data processing.

R EST 206**Market Data Analysis (3)**

Teaches students to prove adjustments by market abstractions, to use various methods of calculating depreciation and to correctly complete the URAR Single Family Residential Report Form. Approved for 30 clock hours by the Washington state Department of Licensing. Meets requirements for advanced appraising instruction.

R EST 207**Residential Appraisal Report Writing (3)**

Covers current residential real estate appraisal report formats and forms required by most primary lenders, the relocation industry and the secondary money market. Also includes the U.R.A.R. form, the Condominium form, and the 24 small residential income form.

READING (READ)**READ 083****Reading Proficiency 1 (1)**

A web-based reading program that addresses the key components of reading at adequate rates with good comprehension. Provides intensive practice in improving visual and perceptual skills, comprehension skills, and vocabulary acquisition. Students' progress is continually monitored and adjusted. Recommended for students who are preparing for career and program placement or admittance tests. This is a pass/no credit course.

READ 084**Reading Essentials (5)**

For students who wish to develop a solid foundation of basic reading skills as preparation for college and workplace reading needs. Class builds reading proficiency, reading fluency and vocabulary. In addition to classroom instruction, class utilizes an internet reading program and web site as a means of communication. *PREREQUISITE:* Appropriate placement score or instructor's permission.

READ 094**Reading Improvement (5)**

For students who wish to develop their reading skills for college, work, or pleasure. Emphasizes the identification of main ideas, relevant details, and organizational patterns to improve reading comprehension. Also addresses vocabulary development and reading rate. *PREREQUISITE:* READ 084 with a grade of 2.0 or higher; or appropriate English/reading placement.

READ 104**Reading Mastery (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. *PREREQUISITE:* English/reading placement.

SOCIAL SCIENCE (S SCI)**S SCI 160****Introduction to the Study of Gender (5)**

Introduces students to the social and historical construction of masculinity and femininity, sexuality and the body, reproduction and the family. Considers the theory and practice of feminist and masculinist social movements. Examines gender as informed by race, class, ethnicity and nationality. Exposes students to historical and theoretical models in the study of gender and sexuality. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

S SCI 177**Social Science Work Experience 1 (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. *PREREQUISITE:* Eligible for ENGL 099 and concurrent enrollment in COOP 171 and instructor's permission.

S SCI 178**Social Science Work Experience 2 (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. *PREREQUISITE:* Eligible for ENGL 099 and concurrent enrollment in COOP 171 and instructor's permission.

S SCI 179**Social Science Work Experience 3 (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. *PREREQUISITE:* Eligible for ENGL 099 and concurrent enrollment in COOP 171 and instructor's permission.

S SCI 194**Special Topics-Social Science (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.

S SCI 211**Nuu-Chah-Nulth Indians (5)**

The Nuu-Chah-Nulth peoples of the Northwest Coast are studied as they are known from historical, ethnographic and informant sources. A field course in conjunction with the Clayoquot Sound Summer Program. Cross-listed with AMES 211 and ANTH 211. *PREREQUISITE:* Eligible for ENGL& 101 and instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOCIOLOGY (SOC)**SOC& 101****Introduction to Sociology (5)**

Introduces the scientific study of life in groups. Examines the creation and reinforcement of cultural patterns that influence individuals, groups and society at large. Emphasizes socialization processes, social institutions, small and large group dynamics, social inequalities and social movements. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission. *RECOMMEND:* Eligible for ENGL& 101. Satisfies a social science requirement for AA-DTA degree.

SOC 194**Special Topics-Sociology (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. *PREREQUISITE:* Eligible for ENGL 099 or instructor's permission.

SOC& 201**Social Problems (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 202**Sociology of Food (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 205**Sociology of Disability (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

SOC 214**Sociology of Race and Ethnicity (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

SOC 215**Survey of Criminology (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 220**Sex and Gender in Society (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA-DTA degree.

SOC 230**Sociology of Death and Dying (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 240**Sociology of the Family (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. *PREREQUISITE:* Eligible for ENGL&101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 245**Juvenile Delinquency (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. *PREREQUISITE:* Eligible for ENGL&101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 260**Crime and Justice (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. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 271**Sociology of Deviance (5)**

Examines attitudes, behaviors, and conditions that violate the current, generally-accepted norms and values in U.S. society. Specific topics include competing definitions of deviance, development of deviant careers, and consequences of deviant identities. Focus on use of sociological theory and the use of social controls. *PREREQUISITE:* Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA-DTA degree.

SOC 298**Independent Study-Sociology (1-5)**

Allows students to individually pursue special interests in sociology under the guidance of an instructor. *PREREQUISITE:* SOC& 101, at least one 200-level sociology course, and eligible for ENGL& 101, or instructor's permission.

SPANISH (SPAN)**SPAN 090****Spanish for the Traveler 1 (3)**

A practical class for beginners (tourists, business travelers, and those learning for their own enjoyment) with very little or no background in the language. Covers basic vocabulary, conversation, pronunciation, and frequently used expressions. Includes practice in speaking and understanding the language of everyday life with some information on the area's culture, customs, and money system. RESTRICTED: Not open to students with more than one year of high school Spanish or one quarter of college transfer level Spanish.

SPAN 110**Spanish Oral Practice (4)**

Oral discussion of current events, cultural topics and subjects of particular interest to the class. Revision of basic grammar and relevant vocabulary that allows proper oral communication in Spanish. *PREREQUISITE:* Eligible for ENGL 099 and SPAN& 122, or two years of high school Spanish or equivalent or instructor's permission. Satisfies a humanities requirement for AA-DTA degree.

SPAN 111**Spanish for Health Care Workers 1 (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. *PREREQUISITE:* Eligible for ENGL 099.

SPAN 112**Spanish for Health Care Workers 2 (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. *PREREQUISITE:* Eligible for ENGL 099 and SPAN 111 with a grade of 2.0 or higher.

SPAN 115**Hispanic Activities (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. *PREREQUISITE:* Eligible for ENGL 099. Satisfies an activity requirement for AA-DTA degree.

SPAN& 121**Spanish I (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. *PREREQUISITE:* Eligible for ENGL 099; 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 a humanities requirement for AA-DTA degree.

SPAN& 122**Spanish II (5)**

Systematic study of Spanish using the four basic skills of listening, speaking, reading and writing. Course requires practice with lab materials. *PREREQUISITE:* Eligible for ENGL 099; and a grade of 2.0 or higher in SPAN& 121; or equivalent with instructor's permission. The equivalent of SPAN& 121 is one year in high school with a grade of B or higher. Satisfies a humanities requirement for AA-DTA degree.

SPAN& 123**Spanish III (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. *PREREQUISITE:* Eligible for ENGL 099; and a grade of 2.0 or higher in SPAN& 122 or equivalent with instructor's permission. The equivalent of SPAN& 122 is two years in high school with a grade of B or higher. Satisfies a humanities requirement for AA-DTA degree.

SPAN 194**Special Studies-Spanish (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. *PREREQUISITE:* SPAN& 121 and SPAN &122; or instructor's permission; and eligible for ENGL 099.

SPAN& 221**Spanish IV****(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. *PREREQUISITE:* Eligible for ENGL 099; and a grade of 2.0 or higher in SPAN& 123 or equivalent with instructor's permission. The equivalent of SPAN& 123 is three years in high school with a grade of B or higher. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

SPAN& 222**Spanish V****(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. *PREREQUISITE:* Eligible for ENGL 099; and a grade of 2.0 or higher in SPAN& 221 or equivalent with instructor's permission. The equivalent of SPAN& 221 is four years in high school with a grade of B or above higher. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

SPAN& 223**Spanish VI****(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. *PREREQUISITE:* Eligible for ENGL 099; and a grade of 2.0 or higher in SPAN& 222 or equivalent with instructor's permission. Satisfies a humanities and the diversity course requirements for AA-DTA degree.

SPAN 272**Culturas de Espana****(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. *PREREQUISITE:* SPAN& 223 or instructor's permission; and eligible for ENGL 099. Satisfies a humanities requirement for AA-DTA degree.

SPAN 299**Independent Study-Spanish****(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. *PREREQUISITE:* Eligible for ENGL 099; and a grade of 2.0 or higher in SPAN& 222 or equivalent with instructor's permission.

STUDY SKILLS (ST SK)**ST SK 101****Study Skills for the Social Sciences (3)**

For students concurrently enrolled in a social science class. Covers learning strategies and techniques that lead to successful completion of a social science course. Emphasizes effective textbook reading, lecture note taking, time management, test preparation, and memory improvement. May cover participation in internet-based discussion groups and library research. *PREREQUISITE:* Eligible for READ 104 or concurrent enrollment in READ 094.

ST SK 103**Study-Reading Techniques in Science (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.

ST SK 105**Orientation to College****(1)**

Holds the key to a successful experience at Green River. Introduces first year students, though the course is not restricted to them, to valuable information about personal services, unique programs, and stimulating resources offered at Green River. This is a pass/no credit course.

ST SK 106**College Survival****(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. *PREREQUISITE:* Eligible for READ 094 or instructor's permission. This is a pass/no credit course.

ST SK 110**College Success Strategies****(5)**

Emphasizes development of necessary skills for successful completion of college courses in the humanities, social sciences, and sciences. Provides techniques and strategies to improve time management, memory, note-taking, textbook reading techniques, outlining, mapping, learning styles, use of library, test preparation, and test taking. Focuses on how individuals become independent learners and develop critical thinking skills. *PREREQUISITE:* Eligible for READ 104, or concurrent enrollment in READ 094.

ST SK 199**Independent Study-Study Skills****(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. *PREREQUISITE:* Instructor's permission.

TECHNOLOGY (TECH)**TECH 100****Careers for the New Millennium****(2)**

Lectures, discussions and outside activities investigating career development opportunities assist adult learners in making transitions into professional and technical careers and college life. Scheduled in a modular format. Satisfies an activity requirement for AA-DTA degree. This is a pass/no credit course.

TRANSITIONAL STUDIES (TS)**TS 011****High School Equivalency Test Preparation for iGRAD****(1-12)**

Provides contextualized instruction in basic reading, writing, science, social studies and math to help students prepare for and pass the High School Equivalency test. *PREREQUISITE:* Reading CASAS score of 221 or higher, and instructor's permission. Students must be admitted through iGRAD. This is a pass/no credit course.

TS 020**Transitional Studies Academic Orientation and Planning****(1-3)**

Prepares basic skills students for success in their program. Students explore learning style preferences, set meaningful goals, and prepare for their content courses. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

TS 024**Pacific NW & Washington State History for HS 21+****(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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 025**Civics and Government for HS+21****(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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 045**Language Arts in Life Science Level 5 (5-10)**

Introduces Level 5 students to the basic principles of life science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of cells, populations, ecosystems, and natural selection. Students who successfully complete this course earn High School 21+ credits in a Life Science. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 046**Language Arts in Life Science Level 6 (5-10)**

Introduces Level 6 students to the basic principles of life science through reading and writing. Also introduces students to the history and nature of science. Students explore the fundamental concepts of cells, populations, ecosystems, and natural selection. Students who successfully complete this course earn High School 21+ credits in a Life Science. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 051**Fundamentals of Numeracy (1-5)**

Students learn to understand the language of math, and develop skills to easily accomplish well-defined and structured math tasks independently in a range of relevant settings using whole numbers and decimals. Students also develop basic English language reading, listening, and speaking skills contextualized with math acquisition. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

TS 053**Adult Basic Math (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. *PREREQUISITE:* Appropriate placement score on CASAS math assessment and instructor's permission. This is a pass/no credit course.

TS 055**Transitional Studies Math Review (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 056**Transitional Studies Pre-Algebra (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. *PREREQUISITE:* MATH 062 or TS 055 and a valid CASAS score on file with the college, or high school transcript evaluation; and instructor's permission.

TS 057**Transitional Studies Elementary Algebra (5)**

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. *PREREQUISITE:* TS 056 with a grade of 2.5 or higher; or appropriate CASAS placement score; or high school transcript evaluation. RECOMMEND: Eligible for READ 104.

TS 062**Language Arts in Social Studies Level 2 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 063**Language Arts in Social Studies Level 3 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 064**Language Arts in Social Studies Level 4 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 065**Language Arts in Social Studies Level 5 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 066**Language Arts in Social Studies Level 6 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 072**Language Arts and Literature Level 2 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 073**Language Arts and Literature Level 3 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 074**Language Arts and Literature Level 4 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 075**Language Arts and Literature Level 5 (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. *PREREQUISITE:* Appropriate placement score on CASAS and instructor's permission.

TS 076**Language Arts and Literature Level 6 (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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 082**Language Arts and Literature Level 2 (5-10)**

Introduces Level 3 students to the basic principles of physical 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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 083**Language Arts and Literature Level 3 (5-10)**

Introduces Level 3 students to the basic principles of physical 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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 084**Language Arts and Literature Level 4 (5-10)**

Introduces Level 4 students to the basic principles of physical 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. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 085**Language Arts in Physical Science Level 5 (5-10)**

Introduces Level 5 students to the basic principles of physical 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. Students who successfully complete this course earn High School 21+ credits in science. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 086**Language Arts in Physical Science Level 6 (5-10)**

Introduces Level 6 students to the basic principles of physical 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. Students who successfully complete this course earn High School 21+ credits in science. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 087**Language Arts in Life Science Lab Level 5 (5)**

Level 5 students are introduced to history, nature, basic principles of life and physical science, interacting directly with the material world, data collection techniques, models and theories of science. Through reading, writing, and laboratory experiments students explore fundamental concepts of cells, populations, natural selection, physics, chemistry, astronomy, earth science. Students who pass this course earn HS21+ LAB Science credits. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 088**Language Arts in Life Science Lab Level 6 (5)**

Level 6 students are introduced to history, nature, basic principles of life and physical science, interacting directly with the material world, data collection techniques, models and theories of science. Through reading, writing, and laboratory experiments students explore fundamental concepts of cells, populations, natural selection, physics, chemistry, astronomy, earth science. Students who pass this course earn HS21+ LAB Science credits. *PREREQUISITE:* Appropriate CASAS placement score and instructor's permission.

TS 095**HS 21+ Prior Learning Assessment 1 (5-15)**

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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

TS 096**HS 21+ Prior Learning Assessment 2 (5-15)**

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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

TS 101**College Link (2)**

Provides students the opportunity to learn and apply strategies that will promote their success in college life. Students complete a detailed personal portfolio and use this to develop a comprehensive plan for their career and education. Other major components of the class include leadership, dynamic learning theory, diversity & inclusion, and problem solving strategies.

WASTE WATER TECHNOLOGY (WWT)**WWT 172****Industrial Wastewater Instrumentation (1)**

Covers basic concepts and industry practices regarding wastewater treatment instrumentation measuring systems and their associated control systems.

WWT 174**Industrial Wastewater Regulations (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.

WWT 175**Industrial Wastewater Treatment Processes 1 (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).

WWT 176**Industrial Wastewater Treatment Processes 2 (2)**

A continuation of WWT 175. Covers treatment processes including physical-chemical (coagulation, flocculation and sedimentation), filtration, and treatment of metal waste streams.

WWT 177**Wastewater Work Experience (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

WWT 180**Wastewater Collection (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.

WWT 185**Municipal Wastewater Treatment 1 (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. *PREREQUISITE:* MATH 072, 097 or eligible for MATH 097; ENGL 081, 099, 109 or ENGL& 101 or eligible for ENGL 099.

WWT 186**Municipal Wastewater Treatment 2 (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. *PREREQUISITE:* WWT 185

WWT 188**Wastewater Laboratory (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.

WWT 199**Independent Study-Wastewater Technology (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. *PREREQUISITE:* Instructor's permission.

WATER SUPPLY TECHNOLOGY (WST)**WST 177****Wastewater Cooperative Education (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. *PREREQUISITE:* Instructor's permission. This is a pass/no credit course.

WST 180**Water Distribution (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. *PREREQUISITE:* ENGL 081, 099, 109, ENGL &101 or eligible for ENGL 099.

WST 183**Water Sources (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. *PREREQUISITE:* ENGL 081, 099, 109, ENGL&101 or eligible for ENGL 099.

WST 184**Water Regulations (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. *PREREQUISITE:* ENGL 081, 099, 109, ENGL&101 or eligible for ENGL 099.

WST 185**Water Treatment 1 (3)**

Covers public drinking water treatment processes, theory, operation and maintenance. Processes include preliminary treatment, coagulation, flocculation, sedimentation and filtration. *PREREQUISITE:* MATH 072, 097 or eligible for MATH 097, and ENGL 081, 099, 109, ENGL& 101, or eligible for ENGL 099.

WST 186**Water Treatment 2 (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. *PREREQUISITE:* WST 185.

WST 188**Water Laboratory (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.

WST 199**Independent Study-Water Supply Technology (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. *PREREQUISITE:* Instructor's permission.

WATER TECHNOLOGY (WTECH)**WTECH 181****Water Hydraulics (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. *PREREQUISITE:* MATH 072, 097 or eligible for MATH 097.

WTECH 182**Pumps and Pumping Systems (3)**

Examines pumps and pump piping systems used in water and wastewater applications. Emphasizes operational theory, application and basic maintenance of centrifugal pumps. *PREREQUISITE:* MATH 072, 097 or eligible for MATH 097.

WTECH 183**Utility Worker Safety (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.

WTECH 184**Disinfection and Chemical Feed Systems (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. *PREREQUISITE:* MATH 072, 097 or eligible for MATH 097.

WTECH 185**Water and Wastewater Applied Problems (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. *PREREQUISITE:* MATH 072, 097 or eligible for MATH 097.

WTECH 187**Drawings and Manuals (3)**

Includes interpretation of maps, drawings, and operation and maintenance manuals as these activities relate to the water and wastewater technology field.

WTECH 188**Water and Wastewater Electrical (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.

WTECH 191**Pre-Employment Seminar (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.

WELDING (WELD)**WELD 103****Special Welding (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, 142, 143 or 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.) *PREREQUISITE:* Instructor's permission.

WELD 107**Basic Blueprint Reading (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.

WELD 141**Basic Arc Weld and Flame Cutting (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 oxy-acetylene process. *PREREQUISITE:* Instructor's permission.

WELD 142**Intermediate Welding (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. *PREREQUISITE:* Instructor's permission.

WELD 143**Advanced Arc Welding (1-13)**

Introduces gas tungsten arc, gas metallic arc, and flux cored arc welding processes for those students proficient at manual arc and oxy-acetylene welding. Students gain experience in all of the general welding processes used by local industry. *PREREQUISITE:* Instructor's permission.

WELD 177**Welding Work Experience 1-3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

WELD 178**Welding Work Experience 1-3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

WELD 179**Welding Work Experience 1-3 (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. *PREREQUISITE:* Concurrent enrollment in COOP 171 and instructor's permission.

WELD 194**Special Welding Project 1 (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. *PREREQUISITE:* Instructor's permission.

WELD 195**Special Welding Project 2 (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. *PREREQUISITE:* Instructor's permission.

WELD 196**Special Welding Project 3 (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. *PREREQUISITE:* Instructor's permission.

WELD 201**Introduction to Metal Art (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. *PREREQUISITE:* Concurrent enrollment in ART 119; and instructor's permission.

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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 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 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 Elementary Education (AEE-DTA) – A degree intended for all future elementary teachers.

Associate in Fine Arts (Art) (AFA-DTA) – 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 Bachelors 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 Bachelors of Science in Nursing.

Associate in Science-Transfer (Option 1) (AS-Opt 1) – A degree for students interested in Biology, Environmental Science, Chemistry, Geology, and Earth Science.

Associate in Science-Transfer (Option 2) (AS-Opt 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 – 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 you 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.

Compass – A computerized assessment for course placement of enrolling students that identifies a student's skill levels in reading, writing and math. This is an assessment of skills, not a test that can be passed or failed. One's "score" on each section of the assessment (reading, writing, and math) simply indicates the appropriate starting point for each student.

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 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.

Degree audit – Online service available on the college web site to assist students in evaluating courses toward their degree or certificate goals.

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.

Entry Codes – Instructor permission codes that allow a student entry into a particular course or course section.

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.

Personal Identification Number (PIN) – A randomly assigned six-digit number required for a student to access their records on the web. Students may change their PIN number online (through Online Services).

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.

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.

Prior Learning Assessment (PLA) – An opportunity for students to earn credit for prior non-traditional education and/or work experience.

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. At Green River, 24 of the final 45 credits must be taken in residence.

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.

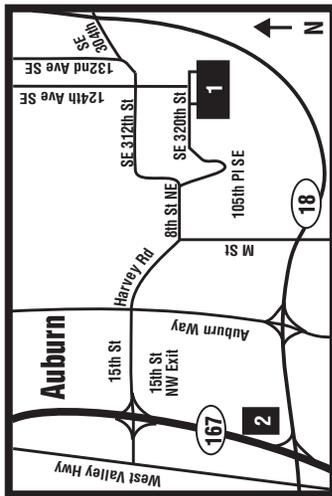
Transcript evaluation – An official determination as to which courses taken at another college will be allowed for credit at Green River. Also, the determination by a four-year college as to which of your Green River courses will be allowed for credit at that institution.

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.

GREEN RIVER COLLEGE



1 Main Campus, Auburn— Located at 12401 SE 320th Street

Southbound

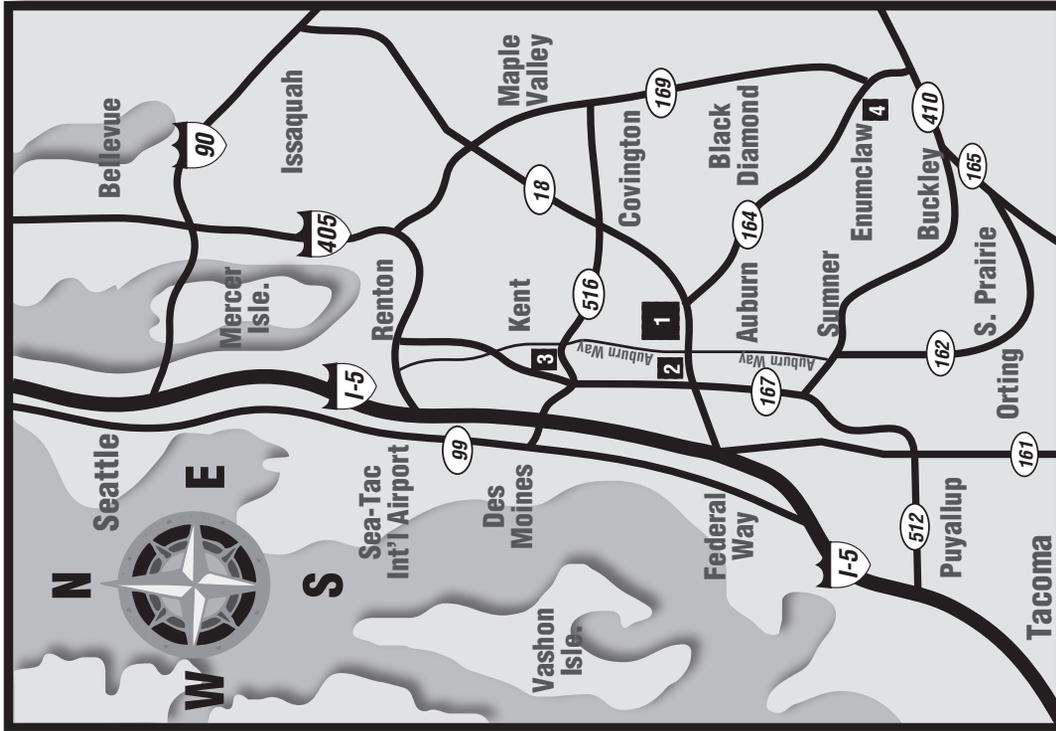
1. Take Hwy 167 South toward Kent / Auburn.
2. Take the 15th Street NW exit. Turn left onto 15th Street NW. (15th Street NW becomes Harvey Road.)
3. Turn left onto 8th Street NE.
4. Turn right onto 105th Place SE. Follow road to top of hill to SE 320th.

Northbound

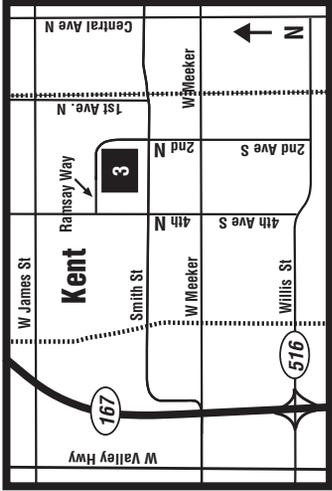
1. Take Highway 18 East toward Auburn / North Bend.
2. Take the SE 304th Street exit toward SE 312th Street.
3. Turn right onto SE 304th Street. (SE 304th Street becomes 132nd Avenue SE.)
4. Stay Straight to go onto 132nd Way SE. (132nd Way SE becomes SE 312th Street.)
5. Turn left onto 124th Avenue SE.
6. Turn left onto SE 320th Street.

2 Auburn Center— Located at 110 2nd Street SW

1. Take Highway 18 East toward Auburn.
2. Take the C Street SW exit.
3. Turn left onto C Street SW. Take the 3rd Street SW ramp.
4. Turn left onto S Division Street. Turn left onto 2nd Street SW.



REGIONAL MAP



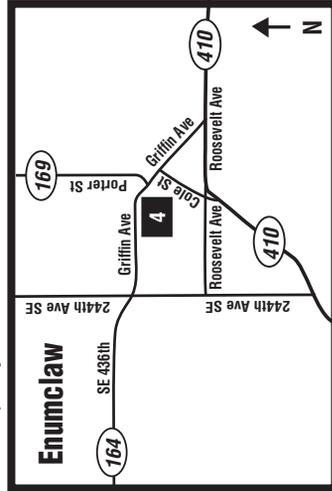
3 Kent Campus— Located at 417 Ramsay Way, Suite 112

Southbound

1. From Highway 167, take the Willis Street exit. Take a left onto Willis Street.
2. Heading east on Willis Street, turn left (north) on 4th Avenue S.
3. Turn right onto Ramsay Way, then right again at the first driveway, into the parking lot.

Northbound

1. From Highway 167, take the Willis Street exit. Take a right onto Willis Street.
2. Heading east on Willis Street, turn left (north) on 4th Avenue S.
3. Turn right onto Ramsay Way, then right again at the first driveway, into the parking lot.



4 Enumclaw Campus— Located at 1414 Griffin Avenue

Southbound

1. Take Highway 18 East. Take the Auburn / Enumclaw exit onto Auburn Way S.
2. Take a left onto Auburn Way (Highway 164). Travel about 12 miles. Highway 164 turns into Griffin Avenue.



STUDENT
SUCCESS

HIGH
QUALITY

STUDENT
ACCESS

COMMUNITY
ENGAGEMENT

EQUITY

GLOBAL
AWARENESS

STEWARDSHIP

INNOVATION

CAMPUS
ENVIRONMENT

