greenriver.edu

Catalog

Green River Community College 2013 - 2015

Green River
COMMUNITY COLLEGE
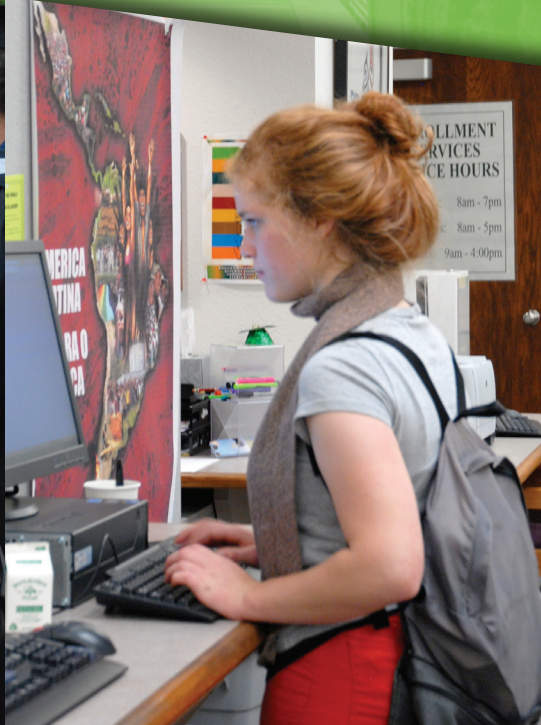
ACADEMIC CALENDAR

	2013-2014	2014-2015
Summer Quarter	**B341**	**B451**
CLASSES BEGIN	June 24	June 23
Independence Day Holiday (campus closed)	July 4	July 4
LAST DAY OF THE QUARTER (8-week session)	August 15	August 14
Labor Day Holiday Observed (campus closed)	September 2	September 1
LAST DAY OF THE QUARTER (11-week session)	September 5	September 4
Fall Quarter	**B342**	**B452**
Campus Workshop	September 17	September 16
Faculty Workshop	September 18-20	September 17-19
CLASSES BEGIN	September 23	September 22
Mid-Term Faculty In-Service Day (day classes cancelled)	October 29	October 27
Advising Day (day classes cancelled)	November 6	November 5
Veteran's Day Holiday (campus closed)	November 11	November 11
Thanksgiving Holiday (campus closed)	November 28-29	November 27-28
Study Day (day classes cancelled)	December 10	December 9
Final Exams	December 11-13	December 10-12
LAST DAY OF THE QUARTER	December 13	December 12
Christmas Eve Day (campus closes 12 noon)	December 24	December 24
Christmas Day Holiday (campus closed)	December 25	December 25
Winter Quarter	**B343**	**B453**
New Year's Eve Day (campus closes 12 noon)	December 31	December 31
New Year's Day Holiday Observed (campus closed)	January 1	January 1
Faculty In-Service Day	January 3	January 2
CLASSES BEGIN	January 6	January 5
Martin Luther King Jr. Holiday (campus closed)	January 20	January 19
President's Day Holiday (campus closed)	February 17	February 16
Study Day (day classes cancelled)	March 18	March 17
Final Exams	March 19-21	March 18-20
LAST DAY OF THE QUARTER	March 21	March 20
Spring Quarter	**B344**	**B454**
CLASSES BEGIN	March 31	March 30
Mid-Term Faculty In-Service Day (day classes cancelled)	April 21	April 20
Memorial Day Holiday (campus closed)	May 26	May 25
Study Day (day classes cancelled)	June 10	June 9
Final Exams	June 11-13	June 10-12
LAST DAY OF THE QUARTER	June 13	June 12
Commencement	June 13	June 12
Summer Quarter		**B561**
CLASSES BEGIN		June 22
Independence Day Holiday Observed (campus closed)		July 3
LAST DAY OF THE QUARTER (8-week session)		August 13
LAST DAY OF THE QUARTER (11-week session)		September 3
Labor Day Holiday (campus closed)		September 7

IMPORTANT PHONE NUMBERS

Main college telephone numbers

Auburn...(253) 833-9111

Eastside ....(206) 464-6133

Tacoma ....(253) 924-0180

Offices

Admissions.. ext. 2500

Assessment and Testing Center.................................... ext. 2650

Athletics.. ext. 2480

Campus Safety... .ext. 3350

Campus Tours .... ext. 6000

Career and Advising Center .... ext. 2641

Cashier.. ext. 2050

Continuing and Community Education............................... ext. 2535

Cooperative Education .... ext. 2550

Counseling Services .... ext. 2460

Disability Support Services...................................... ext. 2631

Diversity, Equity and Inclusion.................................. ext. 2403

eLearning.. ext. 3354

Employment Services .... ext. 2550

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

The Paper Tree Bookstore... ext. 2069

Center of Excellence .... ext. 4360

Registration .... ext. 2500

Running Start .... ext. 2643

Campus Life.. ext. 2400

Tech Prep.. ext. 2581

TRiO Student Support Services .... ext. 2655

Tutoring .... ext. 2325

Veterans' Service .... ext. 2466

Washington State Center of Excellence for Careers in Education.. ext. 4360

Welcome Center .... ext. 6000

Women's Programs .... ext. 2547

Worker Retraining.. ext. 2211

WorkFirst.. ext. 2211

FAX (ENROLLMENT SERVICES)

(253) 288-3454

FOR INFORMATION OR TO CONTACT US

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

Web: greenriver.edu/future

WEBSITE

greenriver.edu

CAMPUS VISITS

The Welcome Center offers group and individual tours for potential students during fall, winter, spring and summer quarters. All tours begin at the Welcome Center 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/welcomecenter, and include any special requests and/or accommodations. Contact the Welcome Center 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. 3395.

CATALOGS

Catalogs are available in the bookstore and 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.

SPECIFIC PROGRAM INFORMATION

Call the Welcome Center at ext. 6000 for guides that give general information about individual career/technical programs.

ONLINE SERVICES

Online services at greenriver.edu/online allows students to access relevant information in a convenient, easy manner. 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, Welcome Center, and throughout offices in the Lindbloom Student Center.

DISCLAIMERS

Accuracy in Publication
Green River Community 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.

ADA/Anti-discrimination
Green River Community 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. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President of Human Resources, 12401 SE 320th Street, Auburn, WA 98092, (253) 288-3320. To receive this information in an alternative format, please contact Disability Support Services at (253) 833-9111, ext. 2631; TTY (253) 288-3359.

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.

Welcome

Getting Started • Student Resources • Academic Information

WELCOME

**EILEEN E. ELY
PRESIDENT**

Thank you for choosing to enroll at Green River Community College. By doing so, you have become part of a close family of faculty, staff, administrators and other students committed to your success. Our instructional excellence, innovative programs and responsive services are designed to help you achieve your goals.

Green River provides many learning options for students. The College is recognized as a top choice for students preparing to transfer to a four-year institution. Career and Technical Education programs help lead students to immediate employment. College Readiness programs, such as Running Start, high school completion and high school equivelency test preparation, provide students with a solid educational background as they enter the collegiate world. Continuing and Community Education classes provide students with lifelong learning experiences.

With more than 9,000 students, the College prides itself in welcoming a diverse student population. Our students come from around the Puget Sound region, across the United States and from around the world. Our rich diversity allows students the opportunity to experience a wealth of perspectives and ideas, thus preparing them for a global world.

Green River has three unique campuses, strategically located to meet the needs of our service region. To encourage student involvement, many student clubs and activities are available. To help ensure student success, the college offers a wide array of support services—to include scholarships through the Green River Community College Foundation.

We encourage you to explore our website, visit our campuses and learn more about how Green River Community College can help you reach your educational goals. Please use the information in this catalog as you proceed.

Again, thank you for choosing Green River Community College. We wish you success in all of your educational and career endeavors.

Sincerely,

GREEN RIVER COMMUNITY COLLEGE BOARD OF TRUSTEES

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

Trustees bring a rich diversity of backgrounds and skills to the governance of Green River Community 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/about-us/president-ely/board-of-trustees.htm.

TOM CAMPBELL   **MAYOR PETE LEWIS**   **MARK ALBERTSON**

CLAUDIA KAUFFMAN   **LINDA COWAN**

ABOUT GREEN RIVER COMMUNITY COLLEGE

Green River Community 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 22. 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, more than 40 professional 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 Community 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 Community 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 Community College is accredited by the Northwest Commission on Colleges and Universities, an institutional accrediting body recognized by the Council for Higher Education Accreditation and/or the U.S. Department of Education. Green River's accreditation was reaffirmed in 2013.

Northwest Commission on Colleges and Universities
8060 165th Avenue NE, Suite 100
Redmond, Washington 98052-3981

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, a specialized accrediting body recognized by the Council for Higher Education Accreditation.

STUDENT LEARNING OUTCOMES

Green River Community 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 page 28 for more information.

STUDENT CODE OF CONDUCT/ STUDENT RIGHTS AND RESPONSIBILITIES

Admission to Green River Community 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 Community 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

Zgolinski Welcome Center
(253) 833-9111, ext. 2650
greenriver.edu/AssessmentTesting.htm

High School Equivalency Test

Green River offers the GED® as a high school equivalency certificate alternative to a diploma. Preparation classes are also available. See High School Equivalency Test Preparation on page 22, 103, 118-119.

Green River Classroom Testing

Many instructors arrange for students to take tests in the Assessment and Testing Center rather than in the classroom. Instructors will provide additional information to students in their classes if they choose to use this option.

Proctored Exams for Other Institutions and Outside Agencies

The Assessment and Testing Center offers exam proctoring for students enrolled at other institutions as well as for various agency career and employment requirements. Individuals should contact their institution or agency regarding outside proctoring procedures and provide the center's contact information.

COMPASS

COMPASS is a computerized assessment used to determine appropriate placement in English, reading and math courses. This is one of many placement options available to students, for more information see Placement on page 15.

For more information on testing services available in the Assessment and Testing Center and at our branch campuses, including hours of operation, fees, policies and procedures please visit our website.

BOOKSTORE

Lindbloom Student Center, Room 104
(253) 833-9111, ext. 2069
greenriver.edu/bookstore.htm

In addition to carrying new and used textbooks, the Paper Tree bookstore stocks reference books, art and engineering supplies, and computer software. Students can also order textbooks online at greenriver.edu/bookstore.htm.

CAMPUS LIFE

Lindbloom Student Center, Room 204
(253) 833-9111, ext. 2400
greenriver.edu/campus-life.htm

Campus Life offers a variety of student-centered programs, including the Community Leadership, Education and Outreach (CLEO) student leadership program, ASGRCC student government, clubs, lectures, musical entertainment, and other trips and special events, to the student body. These programs allow students to have high-quality fun at a low/no cost while meeting other students and connect with the community as well.

CAREER AND ADVISING CENTER

Lindbloom Student Center, Room 126
(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. S.E.
Auburn, WA 98092-3622
(253) 939-7400
greenriver.edu/childcare.htm

Green River's Child Development Center welcomes children ages 6 weeks to 5 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

(253) 333-6010
greenriver.edu/conference

Conference Services provides meeting and event support to the Green River Community 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 classes promote lifelong learning by providing a wide range of high quality, short term classes in the areas of career/technical continuing education, small business and career skills, personal exploration and cultural enrichment. Continuing and Community Education classes are non-credit and self-supporting. Classes are featured in the Green River quarterly class schedule as well as in the Continuing and Community Education 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

Lindbloom Student Center, Room 231
(253) 833-9111, ext. 2460

Short-term personal 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

Lindbloom Student Center, Room 227
(253) 833-9111, ext. 2430

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

THE CURRENT (STUDENT NEWSPAPER)

(253) 833-9111, ext. 2375
thecurrentonline.net

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

Lindbloom Student Center, Room 271A
(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.

DIVERSITY, EQUITY AND INCLUSION

Lindbloom Student Center, Rooms 253 and 254
(253) 833-9111, ext. 2403
greenriver.edu/diversity

Diversity Services is committed to providing programs and services to recruit and retain ethnic student populations; educate and encourage the college and surrounding community to value differences; and develop and strengthen community partnerships with Green River Community College.

ENROLLMENT SERVICES

Lindbloom Student Center, Room 277
(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

Lindbloom Student Center, Room 231
(253) 833-9111, ext. 2449
greenriver.edu/financialresources

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 the Financial Aid for assistance with tuition and book vouchers.

FITNESS AND WELLNESS CENTER

(253) 833-9111, ext. 4140

Students are able to participate in physical activity on campus at the Fitness and Wellness Center! Use of the equipment, such as treadmills, Cybex bicycles, rowing machines, and the Nordic track machines, is free to students during posted open hours.

FOOD SERVICE

Lindbloom Student Center, Room 148
(253) 833-9111, ext. 3366
greenriver.edu/campus-life/food-services.htm

Conveniently situated across from the open dining areas in the Lindbloom Student Center, 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 center 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

Lindbloom Student Center, Room 204
(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
Lindbloom Student Center, Room 260
(253) 833-9111, ext. 2050

Green River Community 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

Lindbloom Student Center, Room 204
(253) 833-9111, ext. 2481
greenriver.edu/athletics

Green River Community College competes in the Northwest Athletic Association of Community Colleges in the following sports: Men's and Women's Cross Country and Track, Women's Soccer, Volleyball, Men's and Women's Basketball, Baseball, Fastpitch Softball, and Men's and Women's Golf. The college also sponsors a cheer/dance team during the winter season.

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 Community 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

Lindbloom Student Center, LC-126A (Inside the Career and Advising Center)
(253) 833-9111, ext. 3397
greenriver.edu/student-affairs/judicial-programs.htm

Judicial Programs oversees the nonacademic Student Code of Conduct and upholds the community standards of the college. Judicial Programs 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.

KGRG 89.9 FM AND
KGRG 1330 AM

Lindbloom Center, Room 200
(253) 833-911, ext. 2188

KGRG FM and AM are radio stations owned by Green River Community College and the Green River Foundation respectively. 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

Tutoring assistance, math videos, computers, textbooks, and other learning resources are available free of charge to support students in their math studies to achieve success.

OTHER CAMPUS LOCATIONS

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, placement testing, and women's programs at various times throughout the quarter.

Small Business Assistance Center

greenriver.edu/businesscenter

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

Auburn Small Business Assistance Center
110 2nd St. SW, Suite 115, Auburn, WA 98001
(253) 333-4953

Enumclaw Campus Small Business Assistance Center
1414 Griffin Ave., Enumclaw, WA 98022
(253) 288-3400

Kent Campus Small Business Assistance Center
417 Ramsay Way, Suite 112, Kent, WA 98032
(253) 520-6260

PARKING

Campus Safety
Administration Building, Room 28
(253) 833-9111, ext. 3350
greenriver.edu/transportation

Students are required to register their cars with Campus Safety. The college has designated parking spaces for carpool, motorcycles, staff and vehicles with state-issued disability hang tags. There is additional free parking at Pacific Raceways and the Grace Lutheran church. Shuttle buses run from 7:30 a.m. to 5 p.m. daily from Pacific Raceways to the Holman Library and back during instructional contact days.

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 ext. 2400.

RUNNING START PROGRAM

Lindbloom Student Center, Room 126
(253) 833-9111, ext. 2643
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.

SECURITY/SAFETY

Campus Safety
Administration Building, Room 28
(253) 833-9111, ext. 3350
greenriver.edu/safety

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, and oversees after-hours facility access. Campus Safety will also render assistance to jump-start vehicles, help with locked vehicles, and escort people to their vehicles.

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.

TECHNOLOGY CENTER

This two-story building has classrooms and the Internet Café on the lower level and an information commons, IT help desk, and special laptop classrooms on the upper level. The information commons has over 100 computers for students use.

TRANSPORTATION

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

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 preferred parking.

TRiO STUDENT SUPPORT SERVICES

Lindbloom Student Center, 2nd Floor
(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, Second Floor
(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'S SERVICES

Financial Aid Office
Lindbloom Student Center, Room 236
(253) 833-9111, ext. 2466
greenriver.edu/veterans

The Veteran's Services Office assists those who are eligible for Montgomery GI Bill and Post 9/11 benefits activate and maintain their benefits.

WELCOME CENTER

Zgolinski Welcome Center
(253) 833-9111, ext. 6000
greenriver.edu/WelcomeCenter

The Welcome Center 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.

WOMEN'S PROGRAMS

Lindbloom Student Center, Room 230
(253) 833-9111, ext. 2547
greenriver.edu/WomensPrograms

Women's Programs provides services and programs for women and men, new and returning students interested in getting started in school, looking for financial aid, scholarships, and resources. Women's Programs offers information and referral to campus and community resources. The office also offers book and calculator loans, as well as emergency funding for students who qualify.

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.

NOTES

Get Started

Apply • Placement • Money for College • Advising and Registration

Get started at Green River

Determine your funding

1 $

- Find all options for funding your education at greenriver.edu/moneyforcollege, including the STEP payment plan, Veterans benefits, and Workforce Education.
- **Financial aid priority deadlines:** fall (March 15); winter (October 15); spring (January 15); summer (April 15) A complete application requires:
  - FAFSA; fill it out online at fafsa.gov. Green River's school code is **003780.**
  - Green River's Financial Aid Supplemental Application; available at greenriver.edu/financialaid.
- Questions? Contact Financial Aid at (253) 833-9111, Ext. 2449 or finaid@greenriver.edu.

Admission

2

- Apply for admission online at greenriver.edu/applynow
- Pay the $20 nonrefundable application fee at the time of your COMPASS assessment or 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 admissions@greenriver.edu.

Determine your course placement

3

- Course placement can be determined through various means; visit greenriver.edu/placement for more information.
- COMPASS is the first step for many new students to determine course eligibility. COMPASS has a fee of $20 payable at time of assessment, and is available at the Welcome Center or by appointment at the Enumclaw or Kent Campus. More information at greenriver.edu/testing.
- Questions? Contact the Welcome Center at (253) 333-6000 or gettingstarted@greenriver.edu.

Complete advising and registration

4

- 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 Welcome Center at (253) 333-6000 or gettingstarted@greenriver.edu.

Confirm online

5

- 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.

WC1306wb GetStarted

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 on page 21.

When Should You Apply?

Students who plan to start classes fall quarter may apply any time beginning December 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 ($20 non-refundable application fee required):

- Online at greenriver.edu

- In person at the Welcome Center

After the college has processed the application, students will be e-mailed an acceptance letter to their Green River e-mail account within two business days of receiving their student identification number (SID). The letter will include their student identification number and a checklist guiding them through the process. The checklist includes information on assessment, orientation, advising, how to access their registration appointment, registration for classes, and more.

Application for Readmission

Students, who have not attended Green River for at least one quarter, may reapply online or by calling Enrollment Services. Once their record has been updated, they will be assigned a registration time. 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 Community 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 e-mail account. The college will use this e-mail address for official communication with all students. Official college policy requires every student to read his or her Green River e-mail account regularly. Students may set up their accounts by visiting greenriver.edu/StudentEmail and following the instructions listed.

PLACEMENT

Most courses require an assessment of a student's skill level in reading, writing and 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: COMPASS assessment, high school transcripts, college transcripts, WAMAP math entrance exam, Advanced Placement (AP), and International Baccalaureate (IB).

For more detailed information and eligibility requirements for each placement option, please visit greenriver.edu/placement.htm. Questions regarding student placement should be directed to the Welcome Center at (253) 333-6000 or gettingstarted@greenriver.edu.

COMPASS Assessment

COMPASS is the first step for many new students to determine course eligibility. COMPASS has a fee of $20 payable at the time of the assessment (for all three sections) and $10 per section for each section taken individually. It is available on a drop-in basis at the Welcome 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 x2650.

High School Transcripts

Recent graduates from specific school districts may be eligible to use high school transcripts for placement in math 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 the Welcome Center; however official transcripts and submission of a Transcript Evaluation Request to Enrollment Services will be required for credits to be applied toward degree requirements.

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 and students are strongly encouraged to familiarize themselves with the system prior to attempting the exam.

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 Credits on pages 23-27 for more information.)

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 must be placed by a foreign language instructor.

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.ed.gov by March 15 to receive funding the following fall quarter. In addition, complete and return the Green River Supplemental Financial Aid Application and any other required documents to the Financial Aid Office by March 15. 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. Award notifications will be mailed beginning in June and continue throughout the year. For more information, contact the Financial Aid Office.

Green River Community 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.

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.
Federal Teach Grant	A federal grant program for students planning to teach. Becomes an unsubsidized loan if not teaching.
Employment Programs	
Federal Work-Study	A federal program to provide employment opportunities for students on or off campus.
State Work-Study	A state program to provide students employment opportunities for 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.

Eligibility

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

- Have a high school diploma or high school squivalency test preparation certificate.

- Be enrolled in an eligible degree or certificate program.

- Be a U.S. citizen or national, or an eligible non-citizen.

- 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 Community College Foundation offers more than 200 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, Division of Vocational Rehabilitation, Workforce Training, Work Source, Trade Readjustment Act, Division of Rehabilitation-Veterans Chapter 31, or other agencies that are assisting in the funding of tuition, fees, books and supplies, should come

to Agency Funded Programs, located in the Financial Aid Office, to turn in paperwork and pick up tuition and book vouchers.

Veteran's Benefits

The G.I. Bill, Post 9/11 benefits, veteran's assistance, and other military education benefits can all be applied to the cost of attending Green River.

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, and $3.50 per credit after 5 credits, not to exceed $35, is applied to all credits.

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

Tuition Rates Winter 2013 *Tuition and fees are subject to change by the Washington State Legislature.*	**Washington Resident**	**U.S. Citizen/Immigrant Non-Resident Waiver**	**International and Other Non-U.S. Citizen**
Per credit charge (1-10 credits)	$106.84	$119.84	$278.84
Per credit charge (11-18 credits)	$52.99	$53.68	$149.00
Per credit charge (19 credits and over), except as noted below for those who qualify.	$96.26	$109.26	$268.26
Career/Technical surcharge for more than 18 credits (per credit)	$52.99	$53.68	$58.00
* Veterans per credit charge (1-10 credits)	$96.16	N/A	N/A
* Veterans per credit charge (11-18 credits)	$52.99	N/A	N/A
* Veterans surcharge for more than 18 credits (per credit)	$96.26	N/A	N/A
High School completion age 19 and over (per credit – up to 18 credits)	$12.00	$106.84	$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.

A student center fee of a flat $45 for the 2013-2014 school year (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)

Admission Application fee	$20
Assessment	$20
Assessment Retakes	$10/$20
Cap and gown, tassel	$24
GED® Test All subjects	$150
GED® Test Single subject Thru 12/2013	$30
GED® Test Single subject beginning 1/2014	$37.50
Graduation application fee	$20
Locker fee (refundable)	$7.50
STEP	$25
Transcript fee online	$10
Transcript fee in person, on demand	$25

Special Courses

Parent-Child Education	$16 per credit
Basic Skills	$25 per quarter
Apprenticeship	$53 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 Community 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 an entry advisor in the Welcome Center to determine placement after completing the COMPASS assessment or if they are utilizing another means of course placement. (See Placement on page 15 for more 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 online, through Canvas, or 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 Community 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 immediately 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
If a student misses the first two sessions of a class without notifying the instructor, the student may be submitted as a "no-show." If submitted as a no-show, a "0.0" grade (failing) will be posted to the student's transcript at the end of the quarter. To have the failing grade removed from the student's permanent record, the student must officially withdraw from the class prior to the "last day to complete official withdrawal" date as published in the quarterly class schedule. It is the student's responsibility to complete and submit the required paperwork to 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 on the sixth 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 20th 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 Enrollment Services 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 incompletes). 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.

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.

- 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.
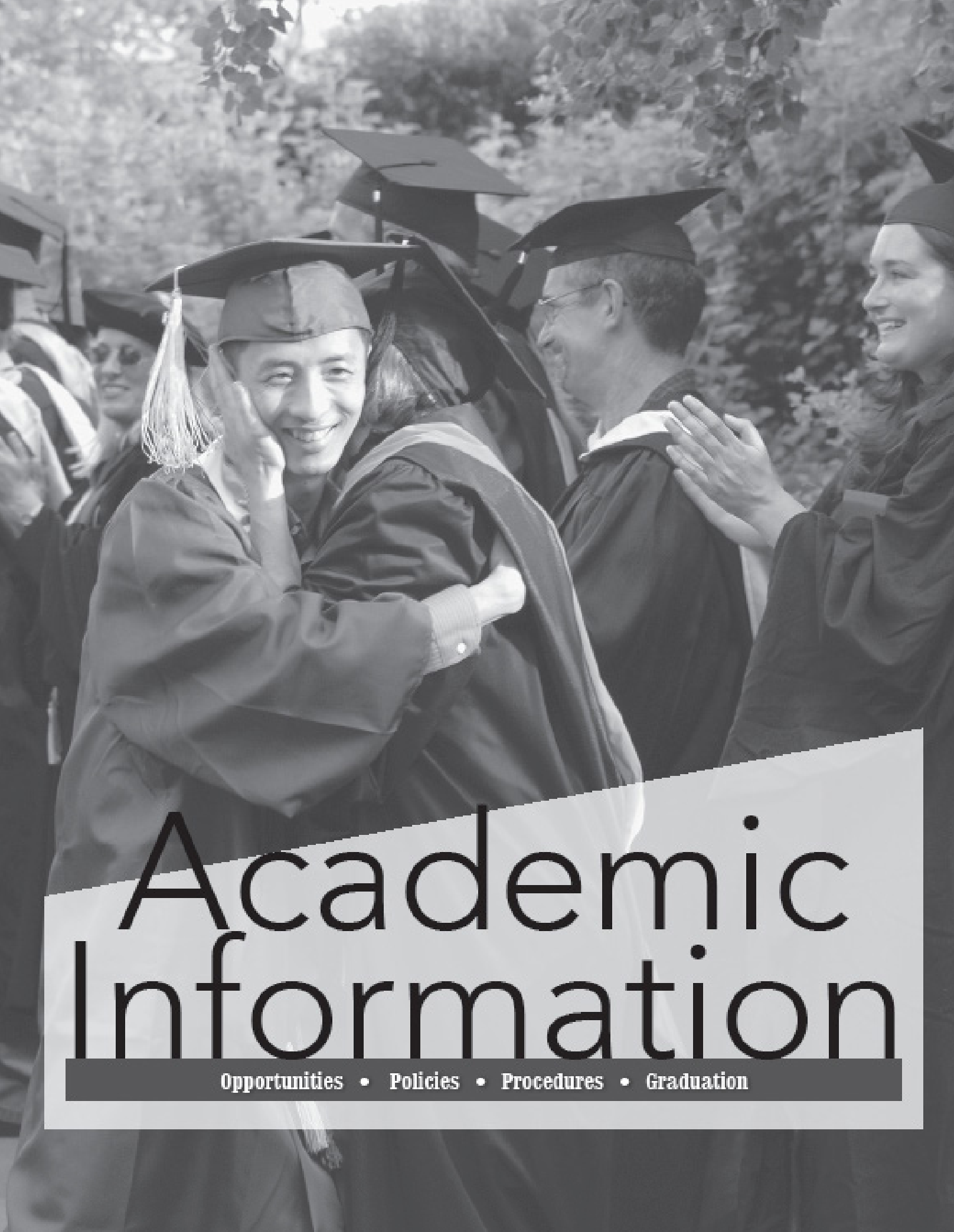
Academic Information

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 College. Entering students take a placement test to determine level.) Classes are offered in morning, afternoon and evenings at each of the campus sites.

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.

Telecourses

On rare occasions, faculty will offer a telecourse. Telecourses bring the classroom to your television set. Students view videocassettes and read accompanying texts, send in assignments, as well as attend a few on-campus meetings. If a student does not have access to a VCR, they may choose to view the videotapes in the college library. Visit grcc.greenriver.edu/elearning-schedule/ for the current schedule and information about the courses.

Washington Online Internet Courses

A few online courses are offered by Washington Online. WAOL courses are developed by college instructors from around the state and function just like online courses. All WAOL courses use Canvas courseware but on a different website than Green River online courses. If you have questions about WAOL courses, call (888) 580-9011 or visit their website at waol.org. To see which WAOL classes are offered and to find directions to the WAOL Canvas Learning site, visit grcc.greenriver.edu/elearning-schedule/.

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 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 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 days, times and fees.

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 elementary teachers can complete an Associate in Elementary Education Degree-Direct Transfer Agreement/Major Related Programs (see page 40). 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 Community College provides students with the opportunity to study abroad while earning Green River transferable credits. Students typically receive 15 academic transfer credits for a 10-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, and others.

Visit www.greenriver.edu/studyabroad for more information.

RUNNING START

(253) 833-9111, ext. 2643

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 tuition cost (courses numbered 100 or higher). To qualify, students must attain specific placement scores on the COMPASS assessment, as well as 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.

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. Please visit the Running Start website at greenriver.edu/RunningStart for more information about this exciting opportunity.

TECH PREP

(253) 833-9111, ext. 2581

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 community/technical college credit for completing select high school courses with a grade of "B" (3.0) 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. Complete the online registration process.

3. Earn a "B" (3.0) or higher.

*Fees may be charged; contact the Consortium office for current policies.

Eligible Programs at Green River may include:**

Accounting
Administrative Assistant
Automotive Technology
Auto Body Technology
Aviation
Business
Carpentry Technology
Criminal Justice (Forensic Technology)
Drafting Technology
Early Childhood Education
Information Technology
Machining and Manufacturing Technology
Natural Resources
Welding Technology

**Programs may vary each year. Contact the Tech Prep Consortium office for details at (253) 833-9111, ext. 2581.

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 Community 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 Community 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 proides 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 Community College 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 Legislature of the state of Washington 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-grcc/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 on pp 24-27.

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 – GENERAL EXAMINATIONS

Examination Name	Minimum Score	Course (Credit)	General Education Category	Comment
Art 2D Design	4-5	ART 109 (5)	Humanities	
Art 2D Design	3	Elective	Elective	
Art 3D Design	4-5	ART 110 (5)	Humanities	
Art 3D Design	3	Elective	Elective	
Art History	3-5	Elective	Elective	
Art Studio (Drawing)	4-5	ART 105 (5)	Humanities	
Art Studio (Drawing)	3	Elective	Elective	
Art Studio (General)	3	Elective	Elective	
Biology	3-5	BIOL& 100 (5)	Lab Science	Natural Science
Calculus AB	5	MATH& &151, &152 (10)	Math Science	Quantitative Skills/Reasoning
Calculus AB	3-4	MATH& 151 (5)	Math Science	Quantitative Skills/Reasoning
Calculus BC	4-5	MATH& 151, &152 (10)	Math Science	Quantitative Skills/Reasoning
Calculus BC	3	MATH& 151 (5)	Math Science	Quantitative Skills/Reasoning
Chemistry	5	CHEM& 161, &162, &163 (18)	Lab Science	Natural Science
Chemistry	4	CHEM& 161, &162 (12)	Lab Science	Natural Science
Chemistry	3	Elective	Elective	
Chinese Language	3-5	Elective	Elective	
Chinese Literature	3	Elective	Elective	
Computer Science A	3-5	CS& 131 (5)	Math Science	Quantitative Skills/Reasoning
Computer Science AB	3-5	CS& 141 (5)	Math Science	Quantitative Skills/Reasoning
Economics (Macro)	4-5	ECON& 202 (5)	Social Science	
Economics (Macro)	3	Elective	Elective	
Economics (Micro)	4-5	ECON& 201 (5)	Social Science	
Economics (Micro)	3	Elective	Elective	
English Language/Composition	5	ENG& 101 (5) and either ENGL 126, 127 or 128 (5)	Basic Skills/ Humanities	Communication and Humanities
English Language/Composition	4	ENGL& 101 (5)	Basic Skills/ Humanities	Communication and Humanities
English Language/Composition	3	Elective	Elective	
English Literature/Composition	3-5	Elective	Elective	
Environmental Science	4-5	ENV S 204 (5)	Natural Science	
Environmental Science	3	Elective	Elective	
French Language	5	FRCH& 123 (5)	Humanities	
French Language	4	FRCH& 122 (5)	Humanities	
French Language	3	FRCH& 121 (5)	Humanities	
French Literature	3-5	Elective	Elective	
German Language	5	GERM& 123 (5)	Humanities	
German Language	4	GERM& 122 (5)	Humanities	
German Language	3	GERM& 121 (5)	Humanities	

ADVANCED PLACEMENT – GENERAL EXAMINATIONS

Examination Name	Minimum Score	Course (Credit)	General Education Category	Comment
German Literature	3-5	Elective	Elective	
Government (American)	4-5	POLS& 202 (5)	Social Science	
Government (American)	3	Elective	Elective	
Government (Comparative)	4-5	POLS& 204 (5)	Social Science	
Government (Comparative)	3	Elective	Elective	
History (European)	3-5	Elective	Elective	
History (US)	5	HIST& 136 and &137 (10)	Social Science	
History (US)	4	HIST& 136 or &137 (5)	Social Science	
History (US)	3	Elective	Elective	
History (World)	4-5	HIST 101, 102 or 103 (5)	Social Science	
History (World)	3	Elective	Elective	
Human Geography	3-4	GEOG& 200 (5)	Social Science	
Italian Language	3-5	Elective	Elective	
Japanese Language	3-5	Elective	Elective	
Japanese Literature	3-5	Elective	Elective	
Latin Literature	3-5	Elective	Elective	
Latin: Vergil	3-5	Elective	Elective	
Latin Literature & Latin: Vergil	3-5	Elective	Elective	
Music Listening Theory	3-5	Elective	Elective	
Music Theory	3-5	Elective	Elective	
Music Theory	3-5	Elective	Elective	
Music Theory	3-5	Elective	Elective	
Music: Aural (subscore)	3-5	Elective	Elective	
Music: Nonaural (subscore)	3-5	Elective	Elective	
Physics B	5	PHYS& 114, &115, &116 (15)	Lab Science	Natural Science
Physics B	4	PHYS& 114, &115 (10)	Lab Science	Natural Science
Physics B	3	Elective	Elective	
Physics C (Elec and Mag)	4-5	PHYS& 222 (5)	Lab Science	Natural Science
Physics C (Elec and Mag)	3	Elective	Elective	
Physics C (Mechanics)	4-5	PHYS& 221 (5)	Lab Science	Natural Science
Physics C (Mechanics)	3-5	Elective	Elective	
Psychology	4-5	PSYC 900 (5)	Elective	Social Science
Psychology	3	Elective	Elective	
Russian Language	3-5	Elective	Elective	
Russian Literature	5-5	Elective	Elective	
Spanish Language	5	SPAN& 123 (5)	Humanities	
Spanish Language	4	SPAN& 122 (5)	Humanities	
Spanish Language	3	SPAN& 121 (5)	Humanities	
Spanish Literature	3-5	Elective	Elective	
Statistics	4-5	MATH 256 (5)	Math Science	Quantitative Skills/Reasoning

BS = Basic Skills
HU = Humanities/Fine Arts/English
LS = Lab Science
MS = Math/Statistics
NS = Natural Science
SS = Social Science

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 B (3.0) or higher in their high school career/technical courses. Credits are posted to transcripts during the summer following the school year 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 the Green River Tech Prep Office 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).

The South King County Tech Prep Consortium has developed articulation agreements between area school districts and three local colleges: Green River Community College, Highline Community College, and Renton Technical College. 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 the Enrollment Services Office.**

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 10 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 10 years.

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
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	7	MATH& 151 (5 cr)	Math/Science Distribution
Mathematics	6, 5	MATH 900 (5 cr)	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.

Procedure

1. Students should submit official copies of their CCAF, SMART or AART, certified copy of their transcripts or a copy of their DD 214s to the Enrollment Services Office 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.

Prior Learning Assessment

Green River Community 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 entered accordingly as a comment on 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. 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 COMPASS 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 disenrolled.

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   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   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.htm, clicking on the Student Info tab, 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 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 Elementary Education, Associate in Fine Arts, 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, Associate Pre-Professional degrees and Bachelor of Applied Science degree.

Associate Development 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 Community 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-services.htm

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. The Enrollment Services Office 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 the Enrollment Services Office 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 (SID)

All students are assigned a SID to use for all transactions at Green River Community 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.

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. Directory information may include student's name, e-mail 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.

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 the Enrollment Services Office.

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 immediatley 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-services.htm under the Student Information tab.

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 the cashier's office with the $20 graduation fee.

Applications for graduation and detailed instructions are available at the Enrollment Services window on the second floor of the Lindbloom Student Center. 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).

- Completed their last quarter at Green River.

- Filed an application for graduation with Enrollment Services.

- Completed all degree requirements as specified by the Green River catalog.

Students may graduate using the degree requirements in effect during their first quarter of enrollment at Green River Community 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 the Enrollment Services Office for degree exception forms) and should be submitted to the Enrollment Services Office 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 an associate 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. These are awarded as follows:

Highest Honors	4.0 GPA
High Honors	3.7 – 3.89 GPA
Honors	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 Community 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.

NOTES

Programs
of Study

University Transfer • Career and Technical • Other Learning Options

DEGREE AND CERTIFICATE PROGRAMS

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

University Transfer	AA-DTA	Associate in Arts Degree – Direct Transfer Agreement
	AB-DTA/MRP	Associate in Business Degree – Direct Transfer Agreement/Major Related Program
	AEE-DTA/MRP	Associate in Elementary Education Degree – Direct Transfer Agreement/Major Related Programs
	AFA-DTA	Associate in Fine Arts in Art Degree – Direct Transfer Agreement
	AM-DTA	Associate in Math Education Degree – Direct Transfer Agreement
	APreN-DTA/MRP	Associate in Pre-Nursing Degree – Direct Transfer Agreement/Major Related Program
	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
	AAS-T	Associate in Applied Science-Transfer Degree
	A-Cert	Academic Certificate
Career/ Technical	BAS	Bachelor in Applied Science Degree
	AAA	Associate in Applied Arts Degree
	AAS	Associate in Applied Science Degree
	Cert	Certificate (45 credits or more)
	Cert-P	Certificate of Proficiency (44 credits or less)
Other Learning Options	AD	Associate Development
	HSE	High School Equivalency Certificate
	HSD	High School Diploma

UNIVERSITY TRANSFER DEGREES AND CERTIFICATES

Green River Community 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 in LSC 126 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 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-DTA, AM-DTA, AEE-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.

ASSOCIATE 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, AB, AFA, AM, AEE, APreN, 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.

ACADEMIC CERTIFICATE (A-CERT)

A certificate in an academic area of study is awarded in recognition of an individual's attainment of a body of knowledge that will strengthen the student's educational experience. These skills are based on standards that faculty within that area have developed to emphasize or enhance a student's major-ready preparation. Academic certificates, when used in conjunction with an Associate in Arts degree, will help emphasize a student's educational experiences.

Certificate requirements include:

- A minimum GPA of 2.0

- Completion of a minimum of 25 percent of the credits required, including the last quarter in residence, at Green River.

- Earning no more than 10 credits 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 are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

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.

6. 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.

7. 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).

DIVERSITY REQUIREMENT

The Diversity Requirement at Green River requires students to take a class focused on 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 are approved by the Instructional Diversity Committee. The purpose of the requirement is to facilitate academic inquiry and analysis, allowing for a scholarly understanding of past and current differences, conflicts, and relations of power, thereby moving the discourse of diversity beyond mere tolerance, celebration, or appreciation.

A minimum of one course from the list found on page 38 and 52 must be taken to satisfy the Diversity Requirement at Green River. In most cases, a course from the list also satisfies other distribution areas, such as the English, fine arts, humanities, or social science requirement for the AA degree.

WASHINGTON 45

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

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

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

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

"First Year Transfer List" of general education courses

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

- **Quantitative and Symbolic Reasoning** (5 credits)–MATH& 107, MATH& 148 or MATH& 151

- **Humanities** (10 credits in two different subject areas or disciplines[2]) –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, ENVS& 100, ENVS& 101, PHYS& 121, GEOL& 101 with lab.

- **Additional 5 credits** in a different discipline can be taken from any category listed above.

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. 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
Central Washington University
City University
Cornish College of the Arts
Eastern Washington University
Gonzaga University
Heritage University
Northwest University
Pacific Lutheran University
Saint Martin's University
Seattle Pacific University
Seattle University
The Evergreen State College
Trinity Lutheran University
University of Washington (some restrictions apply)

University of Washington Bothell
University of Washington Tacoma
Washington State University
Washington State University Tri-Cities
Washington State University Vancouver
Western Washington University
Whitworth University

Other States

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

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 found on page 38) 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, including the last quarter in residence, at Green River.

Students are responsible for knowing transfer requirements and policies, and they 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
B. Quantitative Skills/Symbolic Reasoning: (5 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics 106, &107, &141, &142, 147, &148, &151, &152, &153, *&171,*&172, *&173, 210, 238, &254, 256
Phil& 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 COMPASS placement of Math& 107 or higher)
* Math &171, &172 and &173 does not satisfy this requirement at the University of Washington.

2. HUMANITIES/FINE ARTS/ENGLISH
(15 credits) *Minimum 15 credits from three **separate** areas. No more than five credits in foreign language at the 100-level. No more than five 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, 122, 130, 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 215, &220, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, 102, **111, 151, 152, 153, 154**
English &112, &113, &114, 115, *160, 161, 163,* 164, *165, 168,* 180, 181, 183, 185, 187, 190, &220, 226, 227, &228, &236, &237, 239, &244, &245, &246, *247, 248, 2*49, &254, &255, &*256*, 257
Film 120, *121,* 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, *190, 191, 224*
Japanese &121, &122, &123
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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, 110, 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*

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, *150,* 211
Anthropology &100, &204, &205, *&206,* &207, *&210,* 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, *&200,* 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, *205,* 215, *220,* 230, 240, 245, 260

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 five credits from lab sciences **(courses designated in bold type).** The additional five 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 &121, **&131, &140, &161, &162, &163, &261, &262, &263**

Environmental Science 204
Geology &101, 106, **107,** 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, 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/fine arts/English, 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, 193, &204, &205, 210
Natural Resources 100

6. LIFETIME FITNESS/WELLNESS and ACTIVITY (4-9 credits)
A. Lifetime Fitness/Wellness (3 credits required).
One 2- or 3-credit course from List A is required.
LIST A: Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169
One course from List B must be taken if a 2-credit class from List A has been chosen:
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, 169, 193, 201, 202, 207, 210, 211, 212, 215, 216, 224, 231, 234, 236, 237, 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.

B. 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 Education 111, 115
Business Management 103
Dance 101
Drama 111, 153
Early Childhood Education &120, 175, 214, 215, 220
Education 210
Geology 150, 152, 153
Health Education 190
Industrial Education 101, 102.1 **or** 102.2 **or** 102.3, 103
Journalism 100.1, 110, 120, 200
Music 118, 124, 127, 130.1, 140
Photography 101, 111, 112, 113
Spanish 115
Technology 100

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.*
Ames *100, 150*
Anthropology *&206, &210*
Criminal Justice 220
English *160, 161, 163, 165, 168, 247, 248, 249, &256, 257*
Film *121*
Geography *&200*
History *103, &215, 224, 226, 228, 233*
Humanities *190, 191, 224*
Philosophy *206, 238*
Political Science &*204*
Sociology *205, 220*
Spanish *&221, &222, &223*

8. ELECTIVES (6-11 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.

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

Associate in Business Degree
Direct Transfer Agreement (AA-DTA) – 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) 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, including the last quarter, in residence at Green River.

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.

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

B. Quantitative Skills/Symbolic Reasoning: (10 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics 147 **and** &148

2. HUMANITIES/FINE ARTS/ ENGLISH (15 credits)
(Minimum 15 credits from three separate areas.) No more than five credits *in foreign language at the 100-level.* No more than five credits *in performance/skills courses (**all courses in bold type**) can be applied toward the humanities/fine arts/ English distribution.*

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119,** 120, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 215, &220, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, **111, 151, 152, 153, 154**
English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, 249, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, 110, 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

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 Business Management &201.

C. *Choose 5 credits from the following areas:*
American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204 &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101
Criminal Justice &101, &105, &110, &240
Geography &100, 120, 123, 190, &200, 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, 205, 215, 220, 230, 240, 245, 260

4. NATURAL SCIENCE (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,** 210
Astronomy &100 **or** &101
Biology &100, 103, 110, 127, **&160, &211, &212, &213, &241, &242, &260**
Chemistry &121, &131, &140, &161, &162, &163, &261, &262, &263
Environmental Science 204
Geology &101, 106, **107,** 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)
Fitness-related classes:

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.*

8. TRANSFERABILITY OF CREDITS
Green River Community 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 Elementary Education Degree
Direct Transfer Agreement/Major Related Program (AEE-DTA/MRP) – 94-95 Credits

The Associate in Elementary Education degree is intended for future elementary teachers. It provides a broad foundation in liberal arts and beginning coursework in teacher education that is needed upon transfer to most teacher certification programs at Washington state universities. It is designed to provide early experiences in teacher education, including opportunities for hands-on work in local classrooms and specific courses for elementary teachers.

To earn this degree, students must complete a minimum of 94 to 95-quarter credits in courses numbered 100 or higher (from approved distribution list) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0 and earn a minimum of 24 credits, including the last quarter, in residence at Green River.

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

1. **BASIC SKILLS** (25 credits)

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

B.**Quantitative Skills/ Symbolic Reasoning:** (15 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &171, &172, **and** &173

2. **HUMANITIES/FINE ARTS/ ENGLISH** (15 credits). *Minimum 15 credits from three **separate** areas.*

A. **Communication Studies** &220 (5 credits)

B. **English** &112, &113, &114, 165, 180, 190 **or** &236 (5 credits)

C. *Choose 5 credits from the following areas:*
Art &100, 105, 106, 107, 109,110, 111, 112, 113, 114, 115, 119, 120, 122, **130**, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257
Chinese 111, &121, &122, &123
Drama &101, 111, 151, 152, 153, 154
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232
Philosophy &101, 102, 103, 104, 105, 110, 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

3.   **SOCIAL SCIENCE** (25 credits)

A. **History** 101, 102, 103, **or** 231 (5 credits)

B. **History** &136 **or** &137 (5 credits)

C. *Select 15 credits from two (2) different disciplines from the following:*
American Minority and Ethnic Studies 100 **or**
  Anthropology &206
Psychology &100
Sociology &101, 220 **or** 240
Social Science 160

4. **NATURAL SCIENCES** (15 credits)

Interdisciplinary Science 101, 102 **and** 103

5. **ADDITIONAL COURSES** (7 credits)

Education &205 **and** 270

6. **LIFETIME FITNESS/ WELLNESS** (2-3 credits)

Fitness-related classes: **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 AEE-DTA/MRP 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** (Minimum of 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.

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

Associate in Fine Arts Degree in Art
Direct Transfer Agreement (AFA-DTA) – 105-106 Credits

The Associate in Fine Arts degree in Art is generally pursued by students who plan to transfer to a four-year university. 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. Students granted the degree meet all of the requirements of the Washington state Direct Transfer Agreement (DTA).

A portfolio highlighting the student's best work completed at Green River Community 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 105 to 106-quarter credits in courses numbered 100 or higher (from approved distribution list) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0 and earn a minimum of 24 credits, including the last quarter, in residence at Green River.

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

B. Quantitative Skills/Symbolic Reasoning: (5 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome. Choose five credits from the following:
Mathematics 106, &107, &141, &142, 147, &148, &151, &152, &153, *&171,*&172, *&173, 210, 238, &254, 256
Phil& 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 a COMPASS placement of Math& 107 or higher)
* Math &171, &172 and &173 does not satisfy this requirement at the University of Washington.

2. HUMANITIES/FINE ARTS/ ENGLISH (15 credits). *Three separate areas.*

A.*Choose 10 credits from the following:*
Art 212 **or** 213 **or** 214
Photography 101 **or** 111

B. *Choose five credits from following:*
Chinese 111, &121, &122, & 123
Communication Studies &102, &210, 212, 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, 239, &244, &245, &246, 247, 248, 249, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224
Japanese &121, &122, &123
Music &101, 102, 103, 104, &105, 107, 108, 109, 110, &131, &132, &133
Philosophy &101, 102, 103, 104, 105, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243
Spanish &110, &121, &122, &123, &221, &222, &223

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.

American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, 205, 215, 220, 230, 240, 245, 260

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 five credits from lab sciences (courses designated in bold type). The additional five 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 **&121, &131, &140, &161, &162, &163, &261, &262, &263**
Environmental Science 204
Geology **&101,** 106, **107,** 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, 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 (23 credits)
Class selection depends on the student's area of study. After consultation with an Art advisor, a minimum of 23 credits are required from the following:

Art 106, 107, 110, 111, 115, 120, 122, 130, 133, 135, 150, 180, 212*, 213*, 214*, 219, 251, 252, 253, 255, 256, 257
Photo 101*, 102, 103, 111*, 112, 113
***Students cannot use this course if previously taken under a different category*

6. LIFETIME 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 may be applied to the AFA-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. TRANSFERABILITY OF CREDITS
Green River Community 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 (AM-DTA) – 90 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. This degree fulfills 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) 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, including the last quarter, in residence at Green River.

Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to 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**

B. Quantitative Skills/ Symbolic Reasoning: (5 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &151

2. HUMANITIES/FINE ARTS/ENGLISH (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/fine arts/English distribution.*
Art &100, **105, 106, 107, 109,110, 111, 112, 113, 114, 115, 119,** 120, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 215, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, **111, 151, 152, 153, 154**
English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, 249, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224

Japanese &121, &122, &123
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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, 110, 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

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, &204 &205, &207, &210, 211, &216, &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
Psychology &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, 205, 215, 220, 230, 240, 245, 260

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 &121, &131, &140, &161, &162, &163, &261, &262, &263
Geology &101, 106, **107**, 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, 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 (4-5 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.

7. TRANSFERABILITY OF CREDITS
Green River Community 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.

Associate in Pre-Nursing Degree
Direct Transfer Agreement/Major Related Program (APreN-DTA/MRP) – 90-91 Credits

The Associate in Pre-Nursing degree is general 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 to 91-quarter credits in courses numbered 100 or higher (from approved distribution list) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0 and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College.

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

1. **BASIC SKILLS** (15 credits)

   A. **Communication Skills:** (10 credits)
   Courses in this area support the written communication learning outcome.
   English &101 **and** 128

   B. **Quantitative Skills/Symbolic Reasoning**: (5 credits)
   Courses in this area support the quantitative and symbolic reasoning learning outcome.
   Mathematics 256

2. **HUMANITIES/FINE ARTS/ ENGLISH** (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, 122, **130**, 133, 135, 212, 213, 214, **219**, **251**, **252**, **253**, **255, 256, 257**
   Chinese 111, &121, &122, &123
   Communication Studies &102, &210, 212, 215, &230, 238, 245, 265, 266
   Dance 101, 102, 103, 110, 204
   Drama &101, 102, **111**, **151,** 152, 153, 154
   English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, 249, &254, &255, &256, 257
   Film 120, 121, 122
   French &121, &122, &123, &221
   German &121, &122, &123
   Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
   Japanese &121, &122, &123
   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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
   Philosophy &101, 102, 103, 104, 105, 110, 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

3. **SOCIAL SCIENCE** (15 credits)

   A. **Psychology** &100

   B. **Psychology** &200

   C. A minimum of 5 credits:
   Sociology &101, &201, 202, 205, 215, 220, 240, 245, **or** 260

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**
   Select 10 credits from the humanities/fine arts/English, social science, and natural science requirement of the AA degree.

6. **TRANSFERABILITY OF CREDITS**
   Green River Community 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.

Biology, Environmental Science, Chemistry, Geology or Earth Science
Associate in Science Transfer Degree – Option 1 (AST-1) – 90 Credits

The Associate in Science Transfer degree Option 1 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. This degree 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) 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, including the last quarter in residence, at Green River.

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/FINE ARTS/ ENGLISH and SOCIAL SCIENCE (15 credits)
Select 15 credits from the humanities/ fine arts/English and social science with at least five (5) credits taken from each and from three (3) separate areas.

A. Humanities/fine arts/ English
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/ fine arts/English distribution.
Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119,** 120, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, 102, **111, 151, 152, 153, 154**
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, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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,** 130.1, 130.2, 130.3, &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, 110, 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

B. Social Science
A minimum 5 credits from the following:
American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, 205, 215, 220, 230, 240, 245, 260

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:

Biology &211, &212 **and** &213 **or** **Physics** &114, &115 **and** &116 **or** **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, 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, 127 **or** 128 may be used*

6. TRANSFERABILITY OF CREDITS
Green River Community 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.

Engineering, Computer Science, Physics or Atmospheric Science
Associate in Science Transfer Degree – Option 2 (AST-2) – 90 Credits

The Associate in Science Transfer degree Option 2 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. This degree 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) 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, including the last quarter in residence, at Green River.

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/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)
Select 15 credits from the humanities/ fine arts/English and social science with at least five (5) credits taken from each and from three (3) separate areas.

A. Humanities/fine arts/English
A minimum of 5 credits from the following. <u>No more than 5 credits</u> 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/fine arts/English distribution.
Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119,** 120, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 215, &220, &230, &220, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, 102, **111, 151, 152, 153, 154**
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, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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, **130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220,**
&221, &222, 227, 228, 229, 230.1, 230.2, 230.3, **&231, &232**
Philosophy &101, 102, 103, 104, 105, 110, 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

B. Social Science
A minimum 5 credits from the following:
American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, 205, 215, 220, 230, 240, 245, 260

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, 127 **or** 128 may be used*

9. TRANSFERABILITY OF CREDITS
Green River Community 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.

Mechanical, Civil, Aeronautical, Industrial or Materials Science Pre-Engineering
Associate in Science Transfer Degree – Option 2 Major Related Program (AST-2/MRP) – 109 Credits

The Associate in Mechanical, Civil, Aeronautical, Industrial, or Materials Science Pre-Engineering AST-Option 2/MRP 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. This degree 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) 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, including the last quarter in residence, at Green River. 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)

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/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)
Minimum 5 credits each from humanities/fine arts/English and social science areas plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities/Fine Arts/ English
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/fine arts/English distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119,** 120, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 215, &220, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, 102, **111, 151, 152, 153, 154**
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, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3,** &231, &232
Philosophy &101, 102, 103, 104, 105, 110, 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

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

American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205
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

Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211
Sociology &101, &201, 202, 205, 215, 220, 230, 240, 245, 260

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 120
Engineering 100, 106, 120, &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
English 128
Engineering &104, &114, 140, &204, &224, 250

4. TRANSFERABILITY OF CREDITS
Green River Community 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.

Computer or Electrical Pre-Engineering
Associate in Science Transfer Degree – Option 2 Major Related Program (AST-2/MRP) – 98 Credits

The Associate in Computer or Electrical Pre-Engineering AST-Option 2/MRP 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. This degree 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) 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, including the last quarter in residence, at Green River. 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)

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/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)
Minimum of 5 credits each from humanities/fine arts/English and social science area plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

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

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119,** 120, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, 102, **111, 151, 152, 153, 154**
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, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220,** &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232
Philosophy &101, 102, 103, 104, 105, 110, 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

B. Social Science
A course in Economics is recommended. A minimum 5 credits from the following:
American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211

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

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 120
Engineering 100, 106, 120, &204, 250

E. **Select 10 credits*
Computer Science &131, 132, &141, 145
Engineering &104, &214, &224, 250
English 128
Mathematics 240

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

4. TRANSFERABILITY OF CREDITS
Green River Community 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.

Bioengineering and Chemical Pre-Engineering
Associate in Science Transfer Degree – Option 2/Major Related Program (AST-2/MRP) – 104-105 Credits

The Associate in Bioengineering or Chemical Pre-Engineering AST-Option 2/MRP 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. This degree 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 104 to 105-quarter credits in courses numbered 100 or above (from approved distribution list) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative grade point average of 2.0, and earn a minimum of 24 credits, including the last quarter in residence, at Green River. 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)

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/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)
Minimum 5 credits each from humanities/fine arts/English and social science area plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities/Fine Arts/ English
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/fine arts/ English 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, 122, **130,** 133, 135, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245, 265, 266
Dance 101, 102, 103, 110, 204
Drama &101, 102, **111, 151, 152, 153, 154**
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, &254, &255, &256, 257
Film 120, 121, 122
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224
Japanese &121, &122, &123
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, 130.1, 130.2, 130.3,** &131, &132, &133, **140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, 110, 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

B. Social Science
A course in Economics is recommended. A minimum of 5 credits from the following:
American Minority and Ethnic Studies 100, 150, 211
Anthropology &100, &204, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography &100, 120, 123, 190, &200, 201, 205
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
Psychology &100, &180, &200, 201, 209, &220, 225, 240
Social Science 160, 211

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

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 &100 **or Chemistry** &262 *(5-6 credits)*

D. Select at least 15 credits from the following list after consultation with an engineering advisor.
   Biology &100
   Chemistry &263*
   Computer Science 120, &131, 132, &141, **or** 145
   Engineering 100, 120, &204, &224, 250
   English 128
   Mathematics 240

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

4. TRANSFERABILITY OF CREDITS
Green River Community 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.

Art - Advanced Studies
Academic Certificate
31-33 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts, Associate in Fine Arts, or Associate Development degree.

Contact: Paul Metivier, ext. 4766   Gary Oliveira, ext. 4663
pmetivier@greenriver.edu   goliveira@greenriver.edu

Cindy Small, ext. 4203   Patrick Navin, ext. 4552
csmall@greenriver.edu   pnavin@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
*Art 180	The Artist's Portfolio	3
*Art 299 **or**	Independent Study-Design **or**	
Art 275, 276, 277 **or**	Independent Study-Ceramics 1-3 **or**	
Art 294, 295, 296 **or**	Independent Study-Painting 1-3 **or**	
Art 297, 298, 299 **or**	Independent Study-Drawing 1-3 **or**	
Photo 197	Independent Study-Photography	3-5
Select a minimum of 25 credits from the following courses:		**25**
Art 106	Intermediate Drawing	(5)
Art 107	Advanced Drawing	(5)
Art 110	Intermediate Design and Color	(5)
Art 219	Advanced 3-Dimensional Design	(5)
Art 251	Ceramics 1	(5)
Art 252	Ceramics 2	(5)
Art 253	Ceramics 3	(5)
Art 255	Advanced Painting 1	(5)
Art 256	Advanced Painting 2	(5)
Photo 103	Advanced Digital Photography	(5)

Courses will transfer as elective only. Consult with your transfer institution.

Art - Ceramics
Academic Certificate
43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts, Associate in Fine Arts, or Associate Development degree.

Contact: Paul Metivier, ext. 4766
pmetivier@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
Art 105	Beginning Drawing	5
Art 109	Beginning Design	5
Art 114	Pottery 1	5
Art 115	Pottery 2	5
Art 119	3-Dimensional Design	5
*Art 180	The Artist's Portfolio	3
Art 251	Ceramics 1	5
Art 252	Ceramics 2	5
Art 253	Ceramics 3	5

To enhance the student' portfolio, the following are recommended:

Art 110	Intermediate Design and Color	(5)
Art 219	Advanced 3-Dimensional Design	(5)
Photo 101	Beginning Black and White Photography	(5)
Photo 111	Advanced Digital Photography	(5)

All Art history classes are recommended:

Art 212, 213, 214	History of Art 1-3	(5 ea)

Courses will transfer as elective only. Consult with your transfer institution.

Art - Design
Academic Certificate
39-43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts, Associate in Fine Arts, or Associate Development degree.

Contact: Paul Metivier, ext. 4766
pmetivier@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
Art 105	Beginning Drawing	5
Art 106	Intermediate Drawing	5
Art 109	Beginning Design	5
Art 110	Intermediate Design and Color	5
*Art 180	The Artist's Portfolio	3
Photo 111	Beginning Digital Photography	5
Select three (3) from the following courses:		
Art 111	Painting 1	(5)
Art 119	3-Dimensional Design	(5)
*Art 120	Introduction to Graphic Design	(5)
Art 122	Visual Concept of Web Design	(5)
Art 135	Introduction to Screen Printing	(3)
*Art 150	Literary/Art Journal Design	(3)
Photo 101	Beginning Black and White Photography	(5)

To enhance the student's portfolio, the following are recommended:

*Art 177-179	Art Work Experience 1-3	(1-3)
(Based on interview and availability, limited enrollment)		

All Art history classes are recommended:

Art 212. 213. 214	History of Art 1-3	(5 ea)

Courses will transfer as elective only. Consult with your transfer institution.

Art - Interdisciplinary
Academic Certificate
41-43 Credits

This certificate program is designed for art educators and those who want to explore various disciplines.

Note: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts, Associate in Fine Arts, or Associate Development degree.

Contact: Paul Metivier, ext. 4766
pmetivier@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
Art 105	Beginning Drawing	5
Art 109	Beginning Design	5
Art 111	Painting 1	5
Art 119	3-Dimensional Design	5
*Art 180	The Artist's Portfolio	3
Art 251	Ceramics 1	5
Photo 101	Beginning Black and White Photography	5
Photo 111	Advanced Digital Photography	5
To enhance the student' portfolio, the following are recommended:		**3-5**
Art 106	Intermediate Drawing	(5)
Art 110	Intermediate Design and Color	(5)
Art 120	Introduction to Graphic Design	(5)
Art 130	Watercolor Painting	(3)
Art 133	Portrait Drawing	(3)
Art 135	Introduction to Screen Printing	(3)
*Art 150	Literary/Art Journal Design	(3)
Art 252	Ceramics 2	(5)
Art 255	Advanced Painting 1	(5)
Photo 102	Intermediate Photography	(5)
Photo 111	Intermediate Digital Photography	(5)
All Art history classes are recommended:		
Art 212, 213, 214	History of Art 1-3	(5 ea)

Courses will transfer as elective only. Consult with your transfer institution.

Art - Photography
Academic Certificate
43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts, Associate in Fine Arts, or Associate Development degree.

Contact: Patrick Navin, ext. 4552
pnavin@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
Art 105	Beginning Drawing	5
Art 109	Beginning Design	5
Art 114	Pottery 1	5
Art 115	Pottery 2	5
Art 119	3-Dimensional Design	5
*Art 180	The Artist's Portfolio	5
Art 251	Ceramics 1	5
Art 252	Ceramics 2	5
Art 253	Ceramics 3	5

Dept./No.	Course Title	Credits
To enhance the student' portfolio, the following are recommended:		
Art 110	Intermediate Design and Color	(5)
Art 219	Advanced 3-Dimensional Design	(5)
Photo 101	Beginning Black and White Photography	(5)
Photo 111	Advanced Digital Photography	(5)
All Art history classes are recommended:		
Art 212, 213, 214	History of Art 1-3	(5 ea)

Courses will transfer as elective only. Consult with your transfer institution.

Art - Studio
Academic Certificate
43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts, Associate in Fine Arts, or Associate Development degree.

Contact: Cindy Small, ext. 4203
csmall@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
Art 105	Beginning Drawing	5
Art 106	Intermediate Drawing	5
Art 107	Advanced Drawing	5
Art 109	Beginning Design	5
Art 110	Intermediate Design and Color	5
Art 111	Painting 1	5
Art 119	3-Dimensional Design	5
*Art 180	The Artist's Portfolio	3
Art 255	Advanced Painting 1	5
To enhance the student' portfolio, the following are recommended:		
Art 130	Watercolor Painting	(3)
Art 133	Portrait Drawing	(3)
Art 135	Introduction to Screen Printing	(3)
Art 219	Advanced 3-Dimensional Design	(5)
Art 256	Advanced Painting 2	(5)
Art 257	Advanced Painting 3	(5)
All Art history classes are recommended:		
Art 212, 213, 214	History of Art 1-3	(5 ea)

Courses will transfer as elective only. Consult with your transfer institution.

Broadcasting
Associate Pre-Professional Degree
90 Credits

Broadcasting students may earn a one-year certificate in Broadcasting or a two-year Associate Pre-Professional degree.

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

Dept./No.	Course Title	Credits
Cmst& 102 **or**	Introduction to Mass Media **or**	5
Cmst& 220	Public Speaking	5
Engl& 101	English Composition 1	5
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **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	Introduction to Broadcast Technology	3
Journ 254	Advanced Radio Production	3
*Journ 255	Marketing the Broadcast Media	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/Fine Arts/		
English	One additional course (not Cmst or Journ)	5
Social Science	Three separate areas	15
	(Must take one course from Diversity list as offered in humanities/fine arts/English or social science)	
Electives	(see Recommended Electives below)	3-4

A minimum of 10 total credits to be taken from the following group of Journalism classes: **10**

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

Electives: Choose from the following to total 90 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)

Courses will transfer as electives only. Consult with your transfer institution.

Broadcasting
Academic Certificate
40-44 Credits

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

Dept./No.	Course Title	Credits
Engl& 101	English Composition I	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	Introduction to Broadcast Technology	3
*Journ 254	Advanced Radio Production	3
*Journ 255	Marketing the Broadcast Media	3
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS score **or** completion of Read 094)	0-5

A minimum of 10 total credits to be taken from the following group of Journalism classes: **10**

- **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**	Radio Laboratory 2 **or**	
*Journ 112	Radio Laboratory 3	(1-5)
*Journ 120 **or**	Digital Radio Laboratory 1 **or**	
*Journ 121 **or**	Digital Radio Laboratory 2 **or**	

*Journ 122	Digital Radio Laboratory 3	(1-5)
*Journ 205 **or**	Radio Management **or**	
*Journ 206 **or**	Radio Workshop **or**	
*Journ 207	Advanced Radio Workshop	(1-5)

Electives: *Students must choose 1-5 credits from the following course to total 40-44 credits:*

Cmst& 102	Introduction to Mass Media	(5)
Cmst& 220	Public Speaking	(5)
*Journ 177-179 **and**	Journalism Work Experience 1-3 **and**	(1-12)
Coop 171	Work Experience Seminar	(1)
*Journ 251-253	Journalism Internship	(3-9)

Courses will transfer as electives only. Consult with your transfer institution.

Communication Studies
Academic Certificate
20 Credits

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

Contact: Kathleen Loucks, ext. 4641   Will Scott, ext. 4281
kloucks@greenriver.edu   wscott@greenriver.edu

Kate Katims, ext. 4283
kkatims@greenriver.edu

Dept./No.	Course Title	Credits

Required Courses: 10 credits

Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 230	Small Group Communication	5
Cmst& 220	Public Speaking	5

Select a minimum of 10 credits from the following list of courses.

*Cmst 100	Fundamentals of Oral Communication	(5)
Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 230	Small Group Communication	(5)
*Cmst& 177-179 **and**	Communication Work Experience 1-3 **and**	(1-5)
Coop 171	Work Experience Seminar	(1)
Cmst 212	Persuasion and Propaganda	(5)
Cmst 215	Critical Analysis of Media	(5)
Cmst 238	Intercultural Communication	(5)
Cmst 245	Argumentation	(5)
*Cmst 299	Independent Study–Communication Studies	(2-5)

Course will transfer as elective only. Consult with your transfer institution.

Advanced Communication Studies
Academic Certificate
30 Credits

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

Contact: Kathleen Loucks, ext. 4641   Will Scott, ext. 4281
kloucks@greenriver.edu   wscott@greenriver.edu

Kate Katims, ext. 4283
kkatims@greenriver.edu

Dept./No.	Course Title	Credits

Required Courses: 10 credits

Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5
Cmst& 230	Small Group Communication	5

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

Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 230	Small Group Communication	(5)
Cmst 212	Persuasion and Propaganda	(5)
Cmst 215	Critical Analysis of Media	(5)
Cmst 238	Intercultural Communication	(5)
Cmst 245	Argumentation	(5)

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

Art 109	Beginning Design	(5)
Art 120	Introduction to Graphic Design	(5)
*Bus 159	Professional Selling	(5)
*Cmst 100	Fundamentals of Oral Communication	(5)
Cmst& 102	Introduction to Mass Media	(5)
*Cmst 177-179 **and**	Communication Work Experience 1-3 **and**	
*Coop 171	Work Experience Seminar	(1-5)
Cmst 212	Persuasion and Propaganda	(5)
Cmst 215	Critical Analysis of Media	(5)
Cmst 238	Intercultural Communication	(5)
Cmst 245	Argumentation	(5)
*Cmst 299	Independent Study–Communication Studies	(1-5)
*Journ 110 **or**	Radio Laboratory **or**	
*Journ 111 **or**	Radio Laboratory 2 **or**	
* Journ 112	Radio Laboratory 3	(1-5)
Journ 150	Introduction to Broadcasting	(3)
Journ 151	Radio Production	(3)
*Journ 205 **or**	Radio Management **or**	
*Journ 206 **or**	Radio Workshop **or**	
* Journ 207	Advanced Radio Workshop	(1-5)

* Course will transfer as elected only. Consult with your transfer institution.

Diversity Studies
Academic Certificate
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 Diversity Studies certificate 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 to fulfill the certificate, 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 chosen for the certificate; only one class can have a pass/no-credit designation.
- Students seeking the Gender Studies certificate or the Hispanic Studies certificate may use no more than two courses from that certificate to fulfill the Diversity certificate.

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

Dept./No.	Course Title	Credits

Required Course:
Select at least one of the following courses (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 from the following courses to total 20 credits: **20**

Ames 150	Race and Ethnicity in the Pacific Northwest	(5)
Anth& 206	Cultural Anthropology	(5)
Anth& 210	Indians of North America	(5)
CJ 220	Multicultural Diversity in Criminal Justice	(5)
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 248	African American Literature	(5)
Engl 249	U.S. Latino Literature	(5)
Engl& 256	World Literature III: 19th-21st Century	(5)
Engl 257	Non-Western World Literature	(5)
Film 121	Contemporary American Film	(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)
Human 190	Latin American Culture through Literature	(5)
Human 191	Latin American in Film	(5)
Human 224	Women and World Religions	(5)
Phil 206	Gender and Philosophy	(5)
Phil 238	Introduction to the Philosophy of Human Rights	(5)
Pols& 204	Comparative Government	(5)
Soc 205	Sociology of Disability	(5)
Soc 220	Sex and Gender in Society	(5)
Span& 221	Spanish IV	(5)
Span& 222	Spanish V	(5)
Span& 223	Spanish VI	(5)

Gender Studies
Academic Certificate
20 Credits

This program is a 20-credit interdisciplinary certificate 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 certificate 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.

NOTE: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Sandra Johanson, ext. 4504
sjohanson@greenriver.edu

Dept./No.	Course Title	Credits

Required Course:

| Human 160 **or** | Introduction to Gender Studies **or** | |
| S Sci 160 | Introduction to the Study of Gender | 5 |

Additional Courses: Select 15 credits from the following courses: **15**

Engl 160	Literature By and About Women	(5)
Hist& 215	Women in United States History	(5)
Human 224	Women and World Religion	(5)

Dept./No.	Course Title	Credits
Phil 206	Philosophical Issues of Sex and Gender	(5)
Psyc& 180	Human Sexuality	(5)
Soc 220	Sex and Gender in Society	(5)

Hispanic Studies
Academic Certificate
20 Credits

This certificate program is a 20-credit interdisciplinary certificate. The program 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 may enter this certificate program during any quarter. A 2.5 GPA is required for those courses applied to this certificate.

NOTE: This certificate does not qualify for federal financial aid or VA funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

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

Dept./No.	Course Title	Credits
Required Course:		
Hist 233	History of Latin America	5
Span& 222	Spanish V	5
Additional Courses: *Select 10 credits from the following courses:*		**10**
Hist 228	Latinos in the United States	(5)
Human 190	Latin American Culture through Literature	(5)
Human 191	Latin America in Film	(5)
Span& 223	Spanish VI	(5)

Math/Science Certificate for Elementary (K8) Teachers
Academic Certificate
30 Credits

A minimum cumulative GPA of 2.5 for all six courses and a minimum 2.0 GPA in each individual course is required to obtain this certificate. This certificate does not lead to a Washington state endorsement in mathematics or science.

Contact: Steve Kinholt, ext. 4354   Keith Clay, ext. 4248
skinholt@greenriver.edu   kclay@greenriver.edu

Dept./No.	Course Title	Credits
IDS 101	Interdisciplinary Science 1	5
IDS 102	Interdisciplinary Science 2	5
IDS 103	Interdisciplinary Science 3	5
Math& 171	Mathematics for Elementary Education I	5
Math& 172	Mathematics for Elementary Education II	5
Math& 173	Mathematics for Elementary Education III	5

Natural Resources
Associate in Pre-Professional Degree
95 Credits

The 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.

Contact: Rob Sjogren, ext. 4582
rsjogren@greenriver.edu

Dept./No.	Course Title	Credits
A minimum of 95 credits must be earned from the following categories:		
Natural Resources core classes		
GIS 291	GIS Project Planning	2
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 180	Natural Resources Measurement	7
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 183	Tree and Shrub Identification	5
Natrs 210	Introduction to Soils	5
Mathematics—minimum of 10 credits from the following		**10**
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)
English—required		**10**
Engl& 101	English Composition I	(5)
Engl 128	Research Writing: Science/Engineering/ Business	(5)
Science—minimum of 10 credits from the following		**10**
Biol& 211	Majors Cellular	(6)
Biol& 212	Majors Animal	(6)
Biol& 213	Majors Plant	(6)
Chem& 121	Introduction to Chemistry	(5)
Chem& 131	Introduction to Organic Chemistry and Biochemistry	(5)
Phys& 114	General Physics I with Lab	(5)
Humanities—required		
Cmst& 220	Public Speaking	5
Social Science—minimum of 10 credits from		**10**
Econ& 201	Micro Economics	(5)
Econ& 202	Macro Economics	(5)
Geog 120	Introduction to Physical	(5)
Soc& 101	Introduction to Sociology	(5)
Wellness		
P E 113	Group Dynamics (taken concurrently with Natrs 181)	1

Electives: *A minimum of 8 credits.*   8
Any of the above-listed classes
Any Natural Resources course
Any Engineering course
Any Green River course that is required by the 4-year college of 100-level or higher

CAREER/TECHNICAL DEGREES AND CERTIFICATES

There are 110 different job-training programs at Green River, each designed to prepare students for immediate employment.

Career/technical programs are offered in business and office occupations, health sciences, the trades and technical fields. In each program, there is a 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 the industry who need to learn new technology.

BACHELOR OF APPLIED SCIENCE DEGREE (BAS)

The Bachelor of Applied Science degree (BAS) is built upon the career/technical courses required for job preparation and promotion. This degree is designed for those who have earned an Associate in Applied Arts degree or Associate in Applied Science degree. Green River offers a Bachelor of Applied Science degree in Information Technology, Network Administration and Security.

Degree requirements include:

1. Having a technical associate degree from a regionally-accredited institution.

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

3. Sixty credits of general education courses as follows:

   a. 5 credits of communication – Engl& 101

   b. 5 credits of advanced technical writing – Engl 335

   c. 5 credits of quantitative/symbolic reasoning in computer science, statistics or mathematics

   d. 10 credits of humanities

   e. 10 credits of social science

   f. 10 credits of natural science with at least 5 credits in physical, biological and/or earth sciences. Also include at least one laboratory course

   g. 15 credits as required by the bachelor's program

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

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

The curriculum for the Bachelor of Applied Science (BAS) degree is determined by the faculty of Green River Community College in conjunction with the 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.

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 (AAS-T) degree is determined by the faculty of Green River Community 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 (AAS)

The Associate in Applied Arts and the Associate in Applied Science degrees are designed for students in career/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 career/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.

Degree requirements include:

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

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

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

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

CAREER/TECHNICAL CERTIFICATE (CERT)

Career/technical certificates are awarded in some programs.

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

Certificate requirements include:

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

2. Completing a minimum of 12 credits, including the last quarter of residence, at Green River.

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

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

CERTIFICATE OF PROFICIENCY (CERT-P)

Certificates of Proficiency are awarded in some career/technical programs. The curriculum for each career/technical program is determined by the faculty of Green River Community College, and in some cases an advisory committee from business and industry. Certificates of Proficiency coursework are 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, including the last quarter of resident 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), ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS) CERTIFICATES (OVER 45 CREDITS)

The Associate in Applied Arts (AAA) and the Associate in Applied Science (AAS) degrees are designed for students in career/technical programs. The faculty of Green River Community College and an advisory committee from local business and industry determine the curriculum for each career/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 career/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.

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

AAA/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 Education 130 for the following business-related degrees and certificates:

Degrees	Certificates
Accounting	Administrative Assistant
Administrative Assistant	Business Applications Specialist
Business Applications Specialist	Business Management, Business Foundations
Business Management	
Captioning-Computer Reporting Technologies-Sequences A and B	Business Management, Retail Management
Court Reporting-Computer Reporting Technologies-Sequences A and B	
Legal Administrative Assistant	
Medical Office Assistant	

OR

Advanced placement 3 (AP3)	Waiver from writing requirement; elective credit granted
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, &220, &230, or 238

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 a COMPASS score sufficient for eligibility for **Math&** 142 or higher.

OR

Advanced placement 3 or 4 (AP3 or 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 3 (AP3)	Waiver from computation requirement on the BC Examination and 5 credits granted for **Math**&151
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 Education 110 or **Business Administration** 145 for the following business-related degrees and certificates:

Degrees
Accounting
Administrative Assistant
Business Applications Specialist
Business Management
Captioning - Computer Reporting Technologies - Sequence A and B
Court Reporting - Computer Reporting Technologies - Sequence A and B
Legal Administrative Assistant
Medical Office Assistant
Physical Therapist Assistant

Certificates
Administrative Assistant
Business Applications Specialist
Business Management, Business Foundations
Business Management, Retail Management

D. Computation - Acomp 100T 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 percent of the SCANS attributes (as mentioned above) are embedded into a course or courses that are part of their career 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, &220, &230, or 238
Although three credits is the minimum requirement, all of the above courses are offered at five credits.

*† **Cmst** 100, &210, &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 **or**	
Pols& 200	Introduction to Law and Commerce	5
Bus E 100	Fundamentals of Computers	5
†Bus E 101	Beginning Typing/Keyboarding	5
Bus E 110	Business Math Applications	5
Bus E 162	Introduction to Excel	5
Bus E 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& 220	Public Speaking	5
#Bus E 130 **or**	Business Correspondence **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/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
Reading	Eligible for Read 104, Reading Mastery	0-5

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

Any Acct course		(5)
Any B A course		(5)
Any Bus E 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.

† Bus E 101; Beginning Typing/Keyboarding may be waived by passing a three-minute typing test at 30 wpm with five 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, 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
Bus E 100	Fundamentals of Computers	5
Bus E 110	Business Math Applications	5
Bus E 162	Introduction to Excel	5

Acct& 201, Principles of Accounting I, may be substituted for Acct 110 and Acct 111.

Accounting Clerk
Certificate of Proficiency
15 Credits

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
Bus E 100	Fundamentals of Computers	5
Bus E 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.

Contact: Lea Ann Simpson, ext. 4393   Julie Slettvet, ext. 4687
lsimpson@greenriver.edu   jslettvet@greenriver.edu

Tonya McCabe, ext. 4783   M.J. Lockemy, ext. 4375
tmccabe@greenriver.edu   mlockemy@greenriver.edu

Dept./No.	Course Title	Credits
Lifetime Fitness/ Wellness/ Activity	Any course listed under the AA degree Lifetime Fitness/Wellness/Activity area	1+
Bus E 100	Fundamentals of Computers	5
*Bus E 101	Beginning Typing/Keyboarding	5
*Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
#Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5
#Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162 **or**	Introduction to Excel **or**	
Bus E 163	Advanced Excel	5
Bus E 163 **or**	Advanced Excel **or**	
Bus E 185 **or**	Introduction to Microsoft Access **or**	
Bus E 255	Advanced Word	5
Bus E 177	Business Education Work Experience 1	3
Bus E 214	Introduction to Information Security	5
#Bus E 250	Office Relations and Procedures	5
Bus E 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 COMPASS test score) **or** completion of Read 094	0-5

Suggested Electives: *Select from the following to total 90 credits:*

Dept./No.	Course Title	Credits
Acct 110 **or**	Practical Financial Accounting 1 **or**	
Acct& 201 **or**	Principles of Accounting I **or**	
Bus E 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
*Bus E 107 **and/or**	Typing Speed and Accuracy 1 **and/or**	
Bus E 108	Typing Speed and Accuracy 2	4-8
°Bus E 111	Personal Computing	3
°Bus E 115	Professional Image Building	1
Bus E 163	Advanced Excel	5
Bus E 170.1 **or**	Beginning Keyboarding-Alphabet Keys **or**	
Bus E 170.2 **or**	Keyboarding-Mastering 10-Key and Symbols **or**	
Bus E 170.3	Keyboarding-Speed and Accuracy-Skill Building	1
Bus E 171.1 **or**	PowerPoint: Preparing a Presentation **or**	
Bus E 171.2 **or**	PowerPoint: Design with Graphics and Multimedia **or**	
Bus E 171.3	PowerPoint: Customize and Incorporate Web Features	1
Bus E 173.1 **or**	Word: Create, Edit and Format Documents **or**	
Bus E 173.2 **or**	Word: Tables and Sharing Documents **or**	
Bus E 173.3 **or**	Word: Mail Merge and Other Productivity Tools **or**	
Bus E 173.4 **or**	Word: Create a Newsletter **or**	
Bus E 173.5	Word: Creating Forms, Macros and Document Security	
Bus E 174.1 **or**	Excel: Introduction to Formulas and Functions **or**	
Bus E 174.2 **or**	Excel: Charts and Working with Large Worksheets **or**	
Bus E 174.3 **or**	Excel as a Database **or**	
Bus E 174.4 **or**	Excel: Data Consolidation and What-If Analysis **or**	
Bus E 174.5	Excel: Collaboration, the Web and Macros	1
Bus E 175	Instructor Assistant	1-5
Bus E 176.1 **or**	Access: Create and Modify a Database **or**	
Bus E 176.2 **or**	Access: Use Queries to Produce Information **or**	
Bus E 176.3 **or**	Access: Create and Modify Forms **or**	
Bus E 176.4	Access: Create and Modify Reports	1
Bus E 178-179	Business Education Work Experience 2-3	2-10
Bus E 184	Internet and Basic Web Design	5

Dept./No.	Course Title	Credits
Bus E 185	Introduction to Microsoft Access	5
Bus E 216	Computer Support Internship 1	5
Bus E 255	Advanced Word	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
65-70 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 Education degree program. Students in this program must complete each class with a grade of 2.0 or higher.

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lsimpson@greenriver.edu jslettvet@greenriver.edu

Tonya McCabe, ext. 4783 M.J. Lockemy, ext. 4375
tmccabe@greenriver.edu mlockemy@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
*Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
#Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5
#Bus E 130	Business Correspondence	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162 **or**	Introduction to Excel **or**	
Bus E 163	Advanced Excel	5
Bus E 214	Introduction to Information Security	5
#Bus E 250	Office Relations and Procedures	5
Bus E 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 COMPASS test score) **or** completion of Read 094	0-5

To enhance the student's preparation for future employment, we recommend the following:

Dept./No.	Course Title	Credits
Acct 110 **or**	Practical Financial Accounting 1 **or**	
Acct& 201 **or**	Principles of Accounting I **or**	
Bus E 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)
*Bus E 101	Beginning Typing/Keyboarding	(5)
Bus E 107 **and/or**	Typing Speed and Accuracy 1 **and/ or**	
Bus E 108	Typing Speed and Accuracy 2	(4-8)
Bus E 111	Personal Computing	(3)
°Bus E 115	Professional Image Building	(1)
Bus E 132	Business Communication Applications	(5)
Bus E 163	Advanced Excel	(5)
Bus E 170.1 **or**	Beginning Keyboarding-Alphabet Keys **or**	
Bus E 170.2 **or**	Keyboarding-Mastering 10-Key and Symbols **or**	

Dept./No.	Course Title	Credits
Bus E 170.3	Keyboarding-Speed and Accuracy-Skill Building	(1)
Bus E 171.1 **or**	PowerPoint: Preparing a Presentation **or**	
Bus E 171.2 **or**	PowerPoint: Design with Graphics and Multimedia **or**	
Bus E 171.3	PowerPoint: Customize and Incorporate Web Features	(1)
Bus E 173.1 **or**	Word: Create, Edit and Format Documents **or**	
Bus E 173.2 **or**	Word: Tables and Sharing Documents **or**	
Bus E 173.3 **or**	Word: Mail Merge and Other Productivity Tools **or**	
Bus E 173.4 **or**	Word: Create a Newsletter **or**	
Bus E 173.5	Word: Creating Forms, Macros and Document Security	(1)
Bus E 174.1 **or**	Excel: Introduction to Formulas and Functions **or**	
Bus E 174.2 **or**	Excel: Charts and Working with Large Worksheets **or**	
Bus E 174.3 **or**	Excel as a Database **or**	
Bus E 174.4 **or**	Excel: Data Consolidation and What-If Analysis **or**	
Bus E 174.5	Excel: Collaboration, the Web and Macros	(1)
Bus E 176.1 **or**	Access: Create and Modify a Database **or**	
Bus E 176.2 **or**	Access: Use Queries to Produce Information **or**	
Bus E 176.3 **or**	Access: Create and Modify Forms **or**	
Bus E 176.4	Access: Create and Modify Reports	(1)
†Bus E 177-179 **and**	Business Education Work 1-3 Experience 1-3 **and**	(2-10)
Coop 171	Work Experience Seminar	(1)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 185	Introduction to Microsoft Access	(5)
Bus E 255	Advanced Word	(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 ten credits through Co-op 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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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
Bus E 101 **or**	Beginning Typing/Keyboarding **or**	
Bus E 102	Intermediate Keyboarding	5
Bus E 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.

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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
Bus E 101 **or**	Beginning Typing/Keyboarding **or**	
Bus E 102	Intermediate Typing/Keyboarding	5
Bus E 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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Dept./No.	Course Title	Credits
Bus E 102	Intermediate Keyboarding	5
Bus E 112	Beginning Word	5
Bus E 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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Dept./No.	Course Title	Credits
Bus E 103	Advanced Keyboarding	5
Bus E 250	Office Relations and Procedures	5
Bus E 266	Inside Microsoft Office	5

Aerospace and Advanced Manufacturing- Precision Machining 1
Certificate of Proficiency
13 Credits

Contact: Scott Schreiber, ext. 4421
sschreiber@greenriver.edu

Dept./No.	Course Title	Credits
AAM 101	Principles of Precision Machining 1	13

Aerospace and Advanced Manufacturing- Precision Machining 2
Certificate of Proficiency
13 Credits

Contact: Scott Schreiber, ext. 4421
sschreiber@greenriver.edu

Dept./No.	Course Title	Credits
AAM 102	Principles of Precision Machining 2	13

Aerospace and Advanced Manufacturing- Machine Maintenance 1
Certificate of Proficiency
13 Credits

Contact: Scott Schreiber, ext. 4421
sschreiber@greenriver.edu

Dept./No.	Course Title	Credits
AAM 103	Machine Maintenance 1	13

Aerospace and Advanced Manufacturing- Machine Maintenance 2
Certificate of Proficiency
13 Credits

Contact: Scott Schreiber, ext. 4421
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Dept./No.	Course Title	Credits
AAM 104	Machine Maintenance 2	13

Aerospace and Advanced Manufacturing- Quality Assurance 1
Certificate of Proficiency
14 Credits

Contact: Scott Schreiber, ext. 4421
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Dept./No.	Course Title	Credits
AAM 105	Quality Assurance 1	7
AAM 107	Inspection 1	7

Aerospace and Advanced Manufacturing-Quality Assurance 2
Certificate of Proficiency
14 Credits

Contact: Scott Schreiber, ext. 4421
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Dept./No.	Course Title	Credits
AAM 106	Quality Assurance 2	7
AAM 108	Inspection 2	7

Auto Body Technology
Associate in Applied Science Degree
112-119 Credits

This degree program educates students in the complete repair and refinishing of collision damage vehicles. Graduates of this NATEF certified program will have acquired the skills necessary to enter into other aspects of the trade such as management, sales, and appraising.

The auto collision repair industry is becoming more technical and our graduates will have been trained with that in mind due to the help of competencies set forth by the National Automotive Technicians Education Foundation (NATEF) the National Institute for Automotive Service Excellence (ASE), and the Inter-Industry Conference on Collision Repair (I-Car).

This is an open entry program, and providing space is available, students may enter at the beginning of any quarter with instructor's permission.

Suggested first quarter classes for new students: Abody 100, 12 credits of Abody 104, and Indus 102.1 or Abody 102. See advisor for scheduling of subsequent quarters.

Contact: Mark Millbauer, ext. 4285   Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
Abody 102 **or**	Introduction to Auto Metal Fabrication 3 **or**	
Indus 102.2	Welding Survey 2	
Abody 100	Conduct/Safety/Equipment	1
Abody 103	Introduction to Professional Auto Detailing	3
Abody 104	Non-Structural Repair	14
Abody 105	Structural Damage Repair	14
Abody 106	Mechanical and Electrical Repair	15
Abody 107	Plastics and Adhesives	2
Abody 108	Painting and Refinishing	20
Abody 109	Special Shop Practice	10
Abody 110	Estimating for Collision Repair	3
Abody 111	Collision Shop Estimator	3
Abody 177-179	Auto Body Work Experience 1-3	3
Abody 180-184	Industry Leadership 1-5	5
Indus 102.1	Welding Survey 1	3
First Aid/CPR	Possess First Aid/CPR card upon graduation	

Related Instruction Requirements

#Cmst 100	Fundamentals of Oral Communication	5
#Engl 109	Writing for Trades and Career/Technical Degrees	5
#Human Relations	Any course that satisfies the Human Relations Related Instruction Requirements found on page 55	3-5
#Acomp 100T **or**	Computation for the Trades **or**	
Math 062	Review of Arithmetic **or**	
	Eligible for Math 070	0-5

 # Satisfies related instruction requirements.

Note: *Students whose primary language is not English, must pass ESOL Level 3*

before enrolling in the Auto Body Technology program. For scheduling or transferability reasons, other courses from the current list of related instruction requirements may be substituted.

Auto Body Collision Repair
Certificate of Proficiency
43 Credits

This certificate program prepares students for entry-level employment in the auto body and the collision repair industries. Students are instructed in the basics of auto body repair including structural and non-structural repair and welding through completion of National Automotive Technician Education Foundation (NATEF) certified courses.

This is an open-entry program, and providing space is available, students may enter at any time with instructor's permission.

Contact: Mark Millbauer, ext. 4285   Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
Abody 100	Conduct/Safety/Equipment	1
Abody 102 **or**	Introduction to Auto Metal Fabrication **or**	
Indus 102.2	Welding Survey 2	3
Abody 104	Non-Structural Repair	14
Abody 105	Structural Damage Repair	14
Abody 107	Plastics and Adhesives	2
Abody 109	Special Shop Practice	6
Indus 102.1	Welding Survey 1	3

Auto Body Painting and Refinishing
Certificate of Proficiency
43 Credits

This certificate program is intended to prepare students for entry-level employment in the auto body paint shop. Students are instructed in the basics of shop and hazardous material safety, painting, and basic auto body repair through completion of National Automotive Technician Education Foundation (NATEF) certified courses.

This is an open entry program, and providing space is available, students may enter at any time with instructor's permission.

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Dept./No.	Course Title	Credits
Abody 100	Conduct/Safety/Equipment	1
Abody 104	Non-Structural Repair	14
Abody 107	Plastics and Adhesives	2
Abody 108	Painting and Refinishing	20
Abody 109	Special Shop Practice	6

Automotive Technology
Associate in Applied Science Degree
97-111 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.

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Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
First Quarter		
Reading requirement	Eligible for Read 104	0-5
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 100T **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 102.1	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 Career/Technical Degrees	5
Fifth Quarter		
Atech 114 **and/or**	Automotive Transmission and Transaxle **and/or**	
Atech 108.1	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 on page 55.	5
Sixth Quarter		
Atech 119 **or**	Special Shop Practice **or**	
Atech 177	Auto Work Experience 1	12

 # Satisfies related instruction requirements.

Note: *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
16-21 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.

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Dept./No.	Course Title	Credits
First Quarter		
Reading requirement	Eligible for Read 104	0-5
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
15-20 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.

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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	0-5
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
15-20 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.

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Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	0-5
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
7-12 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.

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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	0-5
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
20 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.

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Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	0-5
Atech 114	Automatic Transmission and Transaxle	8
Atech 115	Manual Drive Trains and Axles	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

Air Traffic Control
Associate in Applied Science Degree
104 Credits

Green River Community College is a Federal Aviation Administration-Air Traffic College Training Initiative (FAA AT-CTI) school. Students seeking employment with the FAA as air traffic controllers and using the CTI track for entry into the FAA must have a faculty recommendation for fitness to work for the FAA. To earn a positive recommendation from the faculty, Green River AT-CTI students must meet or exceed the standards indicated below. Completing the ATC degree and meeting the standards listed below does not assure the FAA will hire the Green River AT-CTI graduate. FAA ATC hiring is extremely competitive and the FAA hires according to FAA needs. Green River has no control or influence over the FAA hiring process.

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Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
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 128	Basic Weather Observation	3
Avia 190	FAA Next Generation Technologies	5
Avia 211	Aerodynamics for Pilots	5
Avia 214	Airport Management and Operations	5
Avia 216 **and**	Basic Instrument Pilot Ground School **and**	
Avia 226 **or**	Advanced Instrument Pilot Ground School **or**	
Avia 225	Instrument Flight Operations and Procedures	10

Avia 265	Airline Dispatch	5
Avia 267	International Flight Planning and ETOPS	5
#Avia 281	Air Traffic Control 1	5
#Avia 282	Air Traffic Control 2	5
#Avia 284	Air Traffic Control Radar Lab	1
#Avia 286	Air Traffic Control 3-Enroute ATC	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
#Engl 100 **or**	Introductory Composition **or**	
Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
#Math 115T **or**	Natural Resources Algebra/Trigonometry 1 **or**	
	Any Math course 100 or higher	5
Natural Science	Any Science course 100-level or higher with a lab	5

Suggested Electives: *Select from the following courses to total 104 credits.*
Any Aviation course		(2-5)
Any Computer course 100 or higher		(3)
Any GIS course		(5)
Any Math course		(5)
Any Science course 100 or higher with a lab		(5)
Avia 177-179 **and**	Aviation Work Experience 1-3 **and**	(1-13)
Coop 171	Work Experience Seminar	(1)
Avia 221	FAA Written Test Preparation for ATP/Dispatch	(2)
Natrs 117	Aerial Photography Uses and	
	Ground Based Mapping	(2)

 # Satisfies related instruction requirements.

Aircraft Dispatcher
Certificate of Proficiency
42 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. Math scores of 86-100 on the numerical skill portion of the COMPASS or qualifies for MATH 072.

2. College-level reading competency as measured by COMPASS reading assessment or eligible for READ 104.

3. Recommended keyboarding/typing skill of 30 wpm. Keyboarding/typing skills may be demonstrated by passing a three-minute typing test at 30 wpm with five or less errors using the proper touch typing technique administered by the Business Education department.

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Dept./No.	Course Title	Credits
First Quarter		
Avia 110	Airline Operation	5
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Second Quarter		
Avia 221	FAA Written Test Preparation for ATP/Dispatch	2
Avia 225	Instrument Flight Operations and Procedures	10
Avia 281	Air Traffic Control 1	5
Third Quarter		
Avia 265	Airline Dispatch	5
Avia 267	International Flight Planning and ETOPS	5

Air Transportation
Associate in Applied Science Degree
90 Credits

Aviation, business and human relations courses form the core of this program, which is designed to help prepare a student for entry into the airline industry. It is intended for students interested in ramp service, customer service, reservations, flight attendant service, aircraft servicing, and airport maintenance and airport management careers.
Students may enter this program at the beginning of any quarter.

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Dept./No.	Course Title	Credits
Acct 110 **or**	Practical Financial Accounting 1 **or**	
Acct& 201	Principles of Accounting I	5
Avia 101	Aviation Fundamentals	5
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 190	FAA Next Generation Technologies	5
#Avia 281	Air Traffic Control 1	5
#Avia 282	Air Traffic Control 2	5
Avia 214	Airport Management and Operations	5
Avia 217	Aviation Security	5
Bus 121 **or**	Marketing Fundamentals **or**	
Bus 164	Entrepreneurship and Small Business Management	5
#Cmst 100 **or**	Fundamentals of Oral 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
#Engl 100 **or**	Introductory Composition **or**	
Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
#Math	Any Math course 100 or higher	5

Suggested Electives: *Select from the following courses to total 90 credits.*
Any Aviation course		(2-5)
Any Computer course 100-level or higher		(3)
Any GIS course		(5)
Any Math course		(5)
Any Science course 100-level or higher with a lab		(5)
Avia 177-179 **and**	Aviation Work Experience 1-3 **and**	(1-13)
Coop 171	Work Experience Seminar	(1)
Bus 159	Professional Selling	(5)
Bus 181	Introduction to International Business	(5)
Bus& 201	Business Law	(5)
Natrs 117	Aerial Photography Uses and	
	Ground Based Mapping	(2)

 # Satisfies related instruction requirements.

Basic Airport Management
Certificate of Proficiency
15 Credits

Contact: George Comollo, ext. 4336   Curt Scott, ext. 4335
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Chris Ward, ext. 4337
cward@greenriver.edu

Dept./No.	Course Title	Credits
Avia 103	Aviation History and Careers	5
Avia 110	Airline Operation	5
Avia 214	Airport Management and Operations	5

Basic Aviation Terminology
Certificate
8 Credits

Contact: George Comollo, ext. 4336   Curt Scott, ext. 4335
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Chris Ward, ext. 4337
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Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
Avia 161	Basic Aviation Terminology	3

Basic Weather Observer
Certificate of Proficiency
6 Credits

This certificate program prepares students to become certified weather observers under National Weather Service standards. It allows students with no background in this field to obtain the necessary knowledge and become certified weather observers upon employment within the aviation industry.

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Chris Ward, ext. 4337
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Dept./No.	Course Title	Credits
Avia 121	Basic Weather Theory	2
Avia 127	Basic Weather Reports	1
Avia 128	Basic Weather Observation	3

Airline Dispatch
Associate in Applied Science Degree
106 Credits

Contact: George Comollo, ext. 4336   Curt Scott, ext. 4335
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Chris Ward, ext. 4337
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Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
Avia 103	Aviation History and Careers	5
Avia 110	Airline Operation	5
Avia 112	Aircraft Systems	5
*Avia 123	Aviation Weather	5
Avia 128	Basic Weather Observation	3
Avia 190	FAA Next Generation Technologies	5
Avia 211	Aerodynamics for Pilots	5
Avia 214	Airport Management and Operations	5
Avia 216 **and**	Basic Instrument Pilot Ground School **and**	
Avia 226 **or**	Advanced Instrument Pilot Ground School **or**	
Avia 225	Instrument Flight Operations and Procedures	10
Avia 265	Airline Dispatch	5
Avia 267	International Flight Planning and ETOPS	5
#Avia 281	Air Traffic Control 1	5
#Avia 282	Air Traffic Control 2	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
#Engl 100 **or**	Introductory Composition **or**	
Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
#Math 115T	Technical Algebra/Trigonometry 1 **or**	
	Any Math course 100-level or higher	5
Natural Science	Any Science course 100-level or higher with a lab	5

Suggested Electives: *Students must choose from the following list of courses to total 106 credits:*

Any Aviation course		(2-5)
Any Business Management course		(3-5)
Any Computer course 100-level or higher		(3)
Any Engineering course		(2-10)
Any GIS course		(5)
Any Math course		(5)
Any Science course 100-level or higher with a lab		(5)
Avia 221	FAA Written Test Preparation for ATP/DISP	(2)
Natrs 117	Aerial Photography Uses and Ground Based Mapping	(2)

*Students enrolled in the Airline Dispatch program must complete Avia 123 at Green River, and cannot be taken online.

 # Satisfies related instruction requirements.

Airline Dispatcher Completion
Certificate of Proficiency
25-30 Credits

The program prepares a individuals with no background in aviation for the FAA Aircraft Dispatcher practical examination. This examination must be taken within 90 days of graduation.

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Dept./No.	Course Title	Credits
First Quarter		
Avia 111	Private Pilot Ground School (if necessary)	0-5
Avia 123	Aviation Weather	5
Avia 225	Instrument Flight Operations and Procedures	10
Second Quarter		
Avia 265	Airline Dispatch	5
Avia 281	Air Traffic Control 1	5

International Flight Planning
Certificate of Proficiency
30-35 Credits

The program prepares individuals with only an aircraft dispatcher's license to be knowledgeable in international operations and ETOPS procedures.

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Chris Ward, ext. 4337
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Dept./No.	Course Title	Credits
First Quarter:		
Avia 111	Private Pilot Ground School (if necessary)	0-5
Avia 123	Aviation Weather	5
Avia 225	Instrument Flight Operations and Procedures	10
Second Quarter:		
Avia 265	Airline Dispatch	5
Avia 267	International Flight Planning and ETOPS	5
Avia 281	Air Traffic Control 1	5

Helicopter Pilot
Associate in Applied Science Degree
116 Credits

The Commercial Helicopter Pilot FAA certificate (license) is required. This degree requires 150 hours of flight time. Flight training is conducted at Boeing Field, Tacoma Narrows, or Crest Airpark.

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Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
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 132	Helicopter Pilot Private Flight 1	2
Avia 133	Helicopter Pilot Private Flight 2	2
Avia 134	Helicopter Pilot Private Flight 3	2
Avia 206	Helicopter Ground School	3
Avia 211	Aerodynamics for Pilots	
Avia 216 **and**	Basic Instrument Pilot Ground School **and**	
Avia 225 **or**	Instrument Flight Operations and Procedures **or**	
Avia 226	Advanced Instrument Pilot Ground School	10
Avia 218	Commercial Pilot Ground School	5
Avia 232	Helicopter Pilot Commercial Flight 1	2
Avia 233	Helicopter Pilot Commercial Flight 2	2
Avia 234	Helicopter Pilot Commercial Flight 3	2
Avia 242	Helicopter Pilot Instrument Flight 1	2
Avia 243	Helicopter Pilot Instrument Flight 2	2
Avia 244	Helicopter Flight Instructor 1	2
Avia 248	Helicopter Pilot Instrument Flight 3	2
Avia 249	Helicopter Pilot Instructor Flight 2	2
Avia 254	Helicopter Pilot Instructor Flight 3	2
Avia 263	Helicopter Pilot Instrument Instructor	2
Avia 264	Helicopter Turbine Transition	2
Avia 265	Airline Dispatch	5
#Avia 281	Air Traffic Control 1	5
#Avia 282	Air Traffic Control 2	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
#Engl 100 **or**	Introductory Composition **or**	
Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
#Math	Any 100-level Math course or higher	5
Natural Science	Any Science course 100-level or higher with a lab	5

Suggested Electives:

Any Computer course 100-level or higher		(3)
Any GIS course		(5)
Any Math course		(5)
Any Science course 100-level or higher with a lab		(5)
Avia 177-179 **and**	Aviation Work Experience 1-3 **and**	(1-13)
Coop 171	Work Experience Seminar	(1)
Natrs 117	Aerial Photography Uses and Ground Based Mapping	(2)

 # Satisfies related instruction requirements.

Professional Pilot
Associate in Applied Science Degree
118 Credits

This degree program for Professional Pilot, Instrument Pilot and Commercial Pilot requires completion of the relevant FAA certificates (licenses). All ground instruction and supporting courses are available on campus. Because Green River does not own or operate any aircraft, all flight training except for use of flight simulator, is completed at local airports where the flight schools are located. Each pilot certificate requires the passing of a flight physical, a written test, accumulation of a prescribed amount of flight time, and a flight test. The written test may be taken anytime, and actual flight time is not required. The pilot ground school and other supporting courses at Green River prepare students for the written test.

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  Chris Ward, ext. 4337
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Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
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 145	Professional Pilot Private Flight 1	2
Avia 146	Professional Pilot Private Flight 2	2
Avia 190	FAA Next Generation Technologies	5
Avia 211	Aerodynamics for Pilots	5
Avia 216 **and**	Basic Instrument Pilot Ground School **and**	
Avia 226 **or**	Advanced Instrument Pilot Ground School **or**	
Avia 225	Instrument Flight Operations and Procedures	10
Avia 218	Commercial Pilot Ground School	5
Avia 245	Professional Pilot Commercial Flight 1	2
Avia 246	Professional Pilot Commercial Flight 2	2
Avia 247	Professional Pilot Commercial Flight 3	2
Avia 255	Professional Pilot Instrument Flight 1	2
Avia 256	Professional Pilot Instrument Flight 2	2
Avia 257	Professional Pilot Instrument Flight 3	2
Avia 258	Professional Pilot Instructor Flight 2	2
Avia 259	Professional Pilot Instrument Flight 3	2
Avia 261	Professional Pilot Instrument Instructor	2
Avia 262	Professional Pilot Multi-Engine Instructor Pilot	2
Avia 265	Airline Dispatch	5
Avia 269	Professional Pilot Multi-Engine Flight	2
#Avia 281	Air Traffic Control 1	5
#Avia 282	Air Traffic Control 2	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
#Engl 100 **or**	Introductory Composition **or**	
Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
#Math	Any 100-level Math or higher	5
Natural Science	Any Science course 100-level or higher with a lab	5

Suggested Electives: *Choose 2 credits from the following to total 118 credits.*

Any Computer course100-level or higher		(3-5)
Any GIS course		(5)
Any Math course 100-level or higher		(5)
Any Science course 100-level or higher with a lab		(5)
Avia 177-179 **and**	Aviation Work Experience 1-3 **and**	(1-13)
Coop 171	Work Experience Seminar	(1)
Avia 221	FAA Written Test Prep Class for ATP/Dispatch	(2)
Natrs 117	Aerial Photography Uses and Ground Based Mapping	(2)

 # 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.

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

Intermediate Aviation Knowledge
Certificate of Proficiency
20 Credits

This certificate program prepares individuals with only the private pilot background in aviation for the FAA Instrument 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
Avia 225	Instrument Flight Operations and Procedures	10

Advanced Aviation Knowledge
Certificate of Proficiency
25 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
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Dept./No.	Course Title	Credits
First Quarter		
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 225	Instrument Flight Operations and Procedures	10
Second Quarter		
Avia 218	Commercial Pilot Ground School	5

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.

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Dept./No.	Course Title	Credits
Lifetime Fitness/	Any courses under the AA degree	
Wellness/Activity	Lifetime Fitness/Wellness/Activity Area	1+
Bus E 100	Fundamentals of Computers	5
*Bus E 101	Beginning Typing/Keyboarding	5
*Bus E 102	Intermediate Keyboarding	5
#Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5
#Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162 **or**	Introduction to Excel **or**	
Bus E 163	Advanced Excel	5
Bus E 184 **or**	Internet and Basic Web Design **or**	
IT 121	Introduction to HTML	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 216	Computer Support Internship 1	2-5
Bus E 218	Basic Office PC Support	5
#Bus E 250	Office Relations and Procedures	5
Bus E 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 COMPASS test score) **or** completion of Read 094	0-5

Suggested Electives: *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**	
Bus E 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)
Bus E 103	Advanced Keyboarding	(5)
Bus E 107 **and/or**	Typing Speed and Accuracy 1 **and/or**	
Bus E 108	Typing Speed and Accuracy 2	(4-8)
Bus E 111	Personal Computing	(3)
°Bus E 115	Professional Image Building	(1)
Bus E 132	Business Communication Applications	(5)
Bus E 163	Advanced Excel	(5)
Bus E 170.1 **or**	Beginning Keyboarding-Alphabet Keys **or**	
Bus E 170.2 **or**	Keyboarding-Mastering 10-Key and Symbols **or**	
Bus E 170.3	Keyboarding-Speeds and Accuracy-Skill Building	(1)
Bus E 171.1 **or**	PowerPoint: Preparing a Presentation **or**	
Bus E 171.2 **or**	PowerPoint: Design with Graphics and Multimedia **or**	
Bus E 171.3	PowerPoint: Customize and Incorporate Web Features	(1)
Bus E 173.1 **or**	Word: Create, Edit and Format Documents **or**	
Bus E 173.2 **or**	Word: Tables and Sharing Documents **or**	
Bus E 173.3 **or**	Word: Mail Merge and Other Productivity Tools **or**	
Bus E 173.4 **or**	Word: Create a Newsletter **or**	
Bus E 173.5	Word: Creating Forms, Macros and Document Security	(1)
Bus E 174.1 **or**	Excel: Introduction to Formulas and Functions **or**	
Bus E 174.2 **or**	Excel: Charts and Working with Large Worksheets **or**	
Bus E 174.3 **or**	Excel as a Database **or**	
Bus E 174.4 **or**	Excel: Data Consolidation and What-If Analysis **or**	
Bus E 174.5	Excel: Collaboration, the Web and Macros	(1)
Bus E 175	Instructor Assistant	(1-5)
Bus E 176.1 **or**	Access: Create and Modify a Database **or**	
Bus E 176.2 **or**	Access: Use Queries to Produce Information **or**	
Bus E 176.3 **or**	Access: Create and Modify Forms **or**	
Bus E 176.4	Access: Create and Modify Reports	(1)
†Bus E 177-179 **and**	Business Education Work Experience 1-3 **and**	(2-10)
Coop 171	Work Experience Seminar	(1)
Bus E 217	Computer Support Internship 2	(2-5)
Bus E 219	Basic Networking Concepts	(5)
Bus E 255	Advanced Word	(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
75-80 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 Education degree program. Students in this program must complete all classes with a grade of 2.0 or higher.

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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
*Bus E 102	Intermediate Keyboarding	5
#Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5
#Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162 **or**	Introduction to Excel **or**	
Bus E 163	Advanced Excel	5

Bus E 184 **or**	Internet and Basic Web Design **or**	
IT 121	Introduction to HTML	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 218	Basic Office PC Support	5
#Bus E 250	Office Relations and Procedures	5
Bus E 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 COMPASS test score) **or** completion of Read 094	0-5

To enhance the student's preparation for future employment, the following electives are recommended:

Acct 110 **or**	Practical Financial Accounting 1 **or**	
Acct& 201 **or**	Principles of Accounting I **or**	
Bus E 090	Office Accounting	(5)
Acct 112	QuickBooks for Accounting	(5)
Art 109	Beginning Design	(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 E 101	Beginning Typing/Keyboarding	(5)
Bus E 103	Advanced Keyboarding	(5)
Bus E 107 **and/or**	Typing Speed and Accuracy 1 **and/or**	
Bus E 108	Typing Speed and Accuracy 2	(4-8)
Bus E 111	Personal Computing	(3)
°Bus E 115	Professional Image Building	(1)
Bus E 132	Business Communication Applications	(5)
Bus E 163	Advanced Excel	(5)
Bus E 170.1 **or**	Beginning Keyboarding-Alphabet Keys **or**	
Bus E 170.2 **or**	Keyboarding-Mastering 10-Key and Symbols **or**	
Bus E 170.3	Keyboarding-Speed and Accuracy-Skill Building	(1)
Bus E 171.1 **or**	PowerPoint: Preparing a Presentation **or**	
Bus E 171.2 **or**	PowerPoint: Design with Graphics and Multimedia **or**	
Bus E 171.3	PowerPoint: Customize and Incorporate Web Features	(1)
Bus E 173.1 **or**	Word: Create, Edit and Format Documents **or**	
Bus E 173.2 **or**	Word: Tables and Sharing Documents **or**	
Bus E 173.3 **or**	Word: Mail Merge and Other Productivity Tools **or**	
Bus E 173.4 **or**	Word: Create a Newsletter **or**	
Bus E 173.5	Word: Creating Forms, Macros and Document Security	(1)
Bus E 174.1 **or**	Excel: Introduction to Formulas and Functions **or**	
Bus E 174.2 **or**	Excel: Charts and Working with Large Worksheets **or**	
Bus E 174.3 **or**	Excel as a Database **or**	
Bus E 174.4 **or**	Excel: Data Consolidation and What-If Analysis **or**	
Bus E 174.5	Excel: Collaboration, the Web and Macros	(1)
Bus E 175	Instructor Assistant	(1-5)
Bus E 176.1 **or**	Access: Create and Modify a Database **or**	
Bus E 176.2 **or**	Access: Use Queries to Produce Information **or**	
Bus E 176.3 **or**	Access: Create and Modify Forms **or**	
Bus E 176.4	Access: Create and Modify Reports	(1)
Bus E 177 **and**	Business Education Work Experience 1 **and**	(3-5)
Coop 171	Work Experience Seminar	(1)
Bus E 214	Introduction to Information in Security	(5)
Bus E 216	Computer Support Internship 1	(2-5)
Bus E 217	Computer Support Internship 2	(2-5)
Bus E 219	Basic Networking Concepts	(5)
Bus E 255	Advanced Word	(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 each class with a grade of 2.0 or higher.

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Dept./No.	Course Title	Credits
Required Classes		
Acct 110	Practical Financial Accounting 1	5
Bus 164	Entrepreneurship and Small Business Management	5
†Bus E 101	Beginning Typing/Keyboarding	0-5
Bus E 130	Business Correspondence	5
Bus E 162 **or**	Introduction to Excel **or**	
Bus E 163	Advanced Excel	5
Bus E 266	Inside Microsoft Office	5
Bus E 132	Business Communication Applications	5
Bus E 214	Introduction to Information Security	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
Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 163	Advanced Excel	5
Bus E 184 **or**	Internet and Basic Web Design **or**	
IT 121	Introduction to HTML	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 216	Computer Support Internship 1	5

†Bus E 101 Beginning Typing/Keyboarding may be waived by passing a five-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
Bus E 100	Fundamentals of Computers	5
Bus E 118	Basics for Online Education	5
Bus E 184 **or**	Internet and Basic Web Design **or**	
IT 121	Introduction to HTML	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.

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jperlot@greenriver.edu

Dept./No.	Course Title	Credits
*Keyboarding	30 wpm (test administered by the Business Education 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
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 202	Introduction to Project Management	5
Bus 257	Customer Service Strategies	5
Bus 258	Principles of Management and Supervision	5
Bus E 100	Fundamentals of Computers	5
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101	English Composition 1	5
Bus E 162	Introduction to Excel	5
#Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5

Students must choose 10 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)
Bus E	Any Business Education 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)
Pols& 200	Introduction to Law	(5)

 # Satisfies related instruction requirements.

*Keyboarding/typing skills may be demonstrated by passing a three-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education Department.

Business Management
Business Foundations
Certificate
45 Credits

Contact: Jeff Perlot, ext. 4685
jperlot@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 in Business and Social Science	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
Bus E 100	Fundamentals of Computers	5
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101	English Composition I	5
Bus E 162	Introduction to Excel	5
#Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5

 # Satisfies related instruction requirements.

Business Management
Management and Supervision
Certificate
25 Credits

This certificate program is for anyone interested in being a more effective manager. This certificate can be completed in as little as two quarters and provides immediate applicable skills for a business professional or entrepreneur. All courses apply towards the Business Management Associate in Applied Arts degree.

Contact: Jeff Perlot, ext. 4865
jperlot@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 of 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.

Contact: Jeff Perlot, ext. 4865
jperlot@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.

Contact: Jeff Perlot, ext. 4865
jperlot@greenriver.edu

Dept./No.	Course Title	Credits
#B A 145 **or**	Business Computation **or**	
Math& 107 **or**	Math in Society **or**	
Math 147	Finite Math for Business and Social Science	5
Acct 110 **or**	Practical Financial Accounting 1 **or**	
Acct& 201	Principles of Accounting I	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
Bus E 100	Fundamentals of Computers	5
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 127	Writing: Social Science	5
#Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5

 # Satisfies related instruction requirement.

Fundamentals of Caregiving:
Introduction to Health Occupations
Certificate of Proficiency
8 Credits

Students learn the essential skills necessary for becoming an entry level health care and human services provider which include basic workplace skills and ethics, responsibilities of a care provider, communication skills, patient rights and confidentiality. Students are also instructed in general patient and workplace safety rules. Students earn CPR and Basic First Aid certificates, HIV/AIDS certificate and Fundamentals of Caregiving

certificate with completion of the course. Students are provided mock hands-on, supervised experience in patient/client related tasks. The seminar portion teaches students the essentials of resume writing and job interviewing.

Note*: This certificate does not qualify for federal financial aid or veteran's funding.*

Contact: Leslie Kessler, ext. 4555
lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Fall Quarter:		
H Hsc 110	Fundamentals of Caregiving: Introduction to Health Occupations	8

Carpentry Technology
Residential and Light Commercial
Associate in Applied Science Degree
91-106 Credits

This degree program prepares individuals to become successfully employed in the field of residential construction. Students can also apply these skills to a variety of jobs within the field of construction. 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 should 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 113	**Residential Foundations and Floor Framing**	**13**
Carp 114	**Residential Wall and Roof Framing**	**13**
Carp 115	**Residential Exterior and Interior Finish**	**13**
Carp 161	Residential Reading	3
Carp 162	Stair Design and Construction	4
Carp 163	Rafters Design and Framing Level 1	4
Carp 164	Basic Cabinet Construction	4
Carp 165	Residential Remodeling Practices	4
Carp 166	Deck Construction and Concrete Flatwork	4
Carp 167	Residential Material Estimating	3
Carp 168	Green Construction Principles and Practices	3

Suggested Electives: Student must earn a minimum of 8 to a maximum of 18 credits from the following classes:

Carp 169	Advanced Stair Design	4
Carp 170	Advanced Roof Framing	4
Carp 171	Advanced Cabinetry and Wood Fabrication	1-6
Carp 172	Advanced Finish Carpentry	4

Related Instruction Requirements

#Human Relations	5 credits of Human Relations Related Instruction Requirements found on p. 55	5
#Oral Communication	5 credits of Oral Communications Related Instruction Requirements found on pp 55	5
#Written Communication	5 credits of Written Communications Related Instruction Requirements found on pp 55	5
#Computation	Acomp 100T, Computation for the Trades **or** Completion of Math 062 **or** Eligible for Math 070	0-5

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.*

Residential and Light Commercial Carpentry
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 light commercial construction. Completion can lead to employment with either general or specialty contractor 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 113	Residential Foundations and Floor Framing	13
Carp 114	Residential Wall and Roof Framing	13
Carp 115	Residential Exterior and Interior Finish	13
Carp 162 **or**	Stair Design and Construction **or**	
Carp 163	Rafters Design and Framing Level 1	3

Residential 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 113	Residential Foundations and Floor Framing	13
Carp 166	Deck Construction and Concrete Flatwork	4

Residential and Light Commercial Exterior Finish Level 1
Certificate of Proficiency
10 Credits

This certificate offers students the additional skills and knowledge that can lead to advancement when working for specialty or general contractor 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 115	Residential Exterior and Interior Finish	6
Carp 166	Deck Construction and Concrete Flatwork	4

Residential Light and Commercial Framing Level 1
Certificate of Proficiency
13 Credits

This certificate prepares students with the basic skills and knowledge to find employment with specialty or general contractor whose focus is residential and/or light commercial framing (i.e. floors, walls, truss roofs, light metal framing, etc.). Students develop basic skills in print reading, 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
*Carp 114	Residential Wall and Roof Framing	13

Residential and Light Commercial Framing Level 2
Certificate of Proficiency
21 Credits

This certificate 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 114	Residential Wall and Roof Framing	13
Carp 162	Stair Design and Construction	4
Carp 163	Rafters Design and Framing Level 1	4

Residential and Light Commercial Framing Level 3
Certificate of Proficiency
29 Credits

This certificate provides students with additional skills and knowledge required for advancement with specialty contractors/builders. Students will be proficient in the design, layout and installation of complex stairs and stick framed roof systems.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 114	Residential Wall and Roof Framing	13
Carp 162	Stair Design and Construction	4
Carp 163	Rafters Design and Framing Level 1	4
Carp 169	Advanced Stair Design	4
Carp 170	Advanced Roof Framing	4

Residential and Light Commercial 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 115	Residential Exterior and Interior Finish	7
Carp 164	Basic Cabinet Construction	4

Residential and Light Commercial 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 contractor 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.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 115	Residential Exterior and Interior Finish	7
Carp 164	Basic Cabinet Construction	4
Carp 165	Residential Remodeling Practices	4
Carp 171	Advanced Cabinetry and Wood Fabrication	6
Carp 172	Advanced Finish Carpentry	4

Residential Green Construction Principles
Certificate of Proficiency
27 Credits

This certificate will provide the student with up to date information, material, codes and skills related to the ever changing green building practices. The change from traditional building practices to more sustainable healthy and energy efficient buildings is becoming more of the norm and is certainly destined to continue into the future. Students earning this certificate will understand the economic impact on sustainable building and the systems approach as to how a house should safely and efficiently operate. Students will have the latest skills and knowledge of building a home so all systems are balanced and sustainable. Students will be familiar with green building materials and their proper installation, as well as energy generating and savings equipment. Students will learn how to test a home for energy efficiency and health safety.

Contact: Glen Martin, ext. 4208   Paul Mueller, ext. 2635
gmartin@greenriver.edu   pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 114	Residential Wall and Roof Framing	13
Carp 165	Residential Remodeling Practices	4
Carp 166	Deck Construction and Concrete Flatwork	4
Carp 167	Residential Material Estimating	3
Carp 168	Green Construction Principles and Practices	3

Captioning - Sequence A Computer Reporting Technologies
Associate in Applied Arts Degree
140-205 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 with hearing loss viewers 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 the captioning process is called Communication Access Realtime Translation (CART). This area allows stenocaptioners to provide more personalized services for hearing-impaired people. Most people hard of hearing lose their hearing postlingually – after acquiring reading and speaking skills – and many of them do not become as proficient with a sign language as they are at reading text. CART reporters 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 using the steno machine linked to a laptop computer.

The Green River Computer Reporting Technologies program is approved by the National Court Reporters Association. All students entering the program must be high school graduates or have earned a high school equivalency certificate. A COMPASS spelling test score of 90 percent accuracy or higher 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 Captioning. They must have completed 40 hours of internship of which 25 hours is actual writing time and 15 hours is research and dictionary preparation; passed three 15-minute literary broadcast material tests at 180 wpm at 96 percent accuracy or higher; and passed three five-minute tests on Q&A (two-voice) at 225 wpm with 95 percent accuracy or higher. 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.

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext.4705
                lrapozo@greenriver.edu   sweldele@greenriver.edu

Dept./No.	Course Title	Credits
#B A 145 **or**	Business Computation **or**	
Bus E 110 **or**	Business Math Applications **or**	
Math 072	Eligible for Math 072	0-5
Bus E 109	Legal Terminology	3
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Career/Technical Degrees	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220	Public Speaking	5
Crpt 100.1	Machine Shorthand Theory 1	10
Crpt 100.2	Machine Shorthand Theory 2	10
Crpt 101.1	Machine Shorthand Theory 3	10
Crpt 101.2	Machine Shorthand – 60 wpm	10
Crpt 102	Machine Shorthand – 80 wpm	8-12
Crpt 133	Machine Shorthand – 100 wpm	8-16
Crpt 134	Machine Shorthand – 120 wpm	8-16
Crpt 135	Machine Shorthand – 140 wpm	8-16
Crpt 136	Machine Shorthand – 160 wpm	8-16
#Crpt 153	Court Reporting Procedures 1	5
Crpt 201	Machine Shorthand – 180 wpm	8-16
Crpt 202	Machine Shorthand – 200 wpm	8-16
Crpt 203	Machine Shorthand – 225 wpm	8-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Crpt 252	Captioning Internship 1	4
Crpt 253	Captioning Internship 2	4
Eced 220	Introduction to Sign Language	2
Engl 108	Medical Terminology	2

To enhance the student's preparation for future employment, the following are recommended:

Acct 110	Practical Financial Accounting 1	5
Bus 103	Business Leadership	(5)
Bus& 201 **or**	Business Law **or**	
Pols& 200	Introduction to Law	(5)
Bus E 100	Fundamentals of Computers	(5)
Bus E 107 **or**	Typing Speed and Accuracy 1 **or**	(5)
Bus E 108 **or**	Typing Speed and Accuracy 2 **or**	
*Typing test	60 wpm with less than 5 errors	(0-4)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 266	Inside Microsoft Office	(5)
Crpt 255	Computer-Aided Transcription-Advanced	(3)
Engl 106	Vocabulary Mastery	(5)
Info 110	Information Literacy and Research Skills	(2)

Additional Suggested Electives: *Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)*

Bus E 112	Beginning Word	(5)
Bus E 255	Advanced Word	(5)
Phil 112	Ethics in the Workplace	(5)

 # Satisfies related instruction requirements.

*Keyboarding/typing skills may be demonstrated by passing two five-minute typing tests at 60 wpm with fiveor less errors using the proper typing techniques administered by the Business Education Department.

Captioning - Sequence B
Computer Reporting Technologies
Associate in Applied Arts Degree
104-146 Credits

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext. 4705
                lrapozo@greenriver.edu   sweldele@greenriver.edu

Dept./No.	Course Title	Credits
#B A 145 **or**	Business Computation **or**	
Bus E 110 **or**	Business Math Applications **or**	
Math 072	Eligible for Math 072	0-5
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Career/Technical Degrees	5
Bus E 109	Legal Terminology	3
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220	Public Speaking	5
Crpt 080	Machine Shorthand Lab	0-6
Crpt 090.1	Machine Shorthand Theory-Beginning	3-4
Crpt 090.2	Machine Shorthand Theory-Intermediate	3-4
Crpt 091	Machine Shorthand Theory-Advanced	3-4
Crpt 092	Machine Shorthand – 40 wpm	3-4
Crpt 093	Machine Shorthand – 60 wpm	3-4
Crpt 094	Machine Shorthand – 80 wpm	5-6
Crpt 095	Machine Shorthand – 100 wpm	5-6
Crpt 096	Machine Shorthand – 120 wpm	5-6
Crpt 097	Machine Shorthand – 140 wpm	5-6
Crpt 098	Machine Shorthand – 160 wpm	5-6
Crpt 099	Machine Shorthand – 180 wpm	5-6
#Crpt 153	Court Reporting Procedures 1	5
Crpt 154	Court Reporting Procedures 2	5
Crpt 177-179 **and**	Court Reporting/Captioning Work Experience 1-3 **and**	
Coop 171	Work Experience Seminar	2-6
Crpt 202	Machine Shorthand – 200 wpm	8-16
Crpt 203	Machine Shorthand – 225 wpm	8-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Crpt 252	Captioning Internship 1	4
Crpt 253	Captioning Internship 2	4
Eced 220	Introduction to Sign Language	2
Engl 108	Medical Terminology	2

To enhance the student's preparation for future employment, the following are recommended:

Acct 110	Practical Financial Accounting 1	(5)
Bus 103	Business Leadership	(5)
Bus& 201 **or**	Business Law **or**	
Pols& 200	Introduction to Law	(5)
Bus E 100	Fundamentals of Computers	(5)
Bus E 107 **or**	Typing Speed and Accuracy 1 **or**	
Bus E 108 **or**	Typing Speed and Accuracy 2 **or**	
*Typing test	60 wpm with less than 5 errors	(0-4)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 266	Inside Microsoft Office	(5)
Crpt 255	Computer-Aided Transcription–Advanced	(3)
Engl 106	Vocabulary Mastery	(5)
Info 110	Information Literacy and Research Skills	(2)

Additional Suggested Electives: *Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)*

Bus E 112	Beginning Word	(5)
Bus E 255	Advanced Word	(5)
Phil 112	Ethics in the Workplace	(5)

 # Satisfies related instruction requirements.

* Keyboarding/typing skills may be demonstrated by passing two five-minute typing tests at 60 wpm with five or less errors using the proper typing techniques administered by the Business Education Department.

Court Reporting - Sequence A
Computer Reporting Technologies
Associate in Applied Science Degree
148-217 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 high school equivalency certificate. A COMPASS 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.

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu   sweldele@greenriver.edu

Dept./No.	Course Title	Credits
AP 100	Survey of Human Anatomy and Physiology	5
#B A 145 **or**	Business Computation **or**	
Bus E 110 **or**	Business Math Applications **or**	
Math	Eligible for Math 072	0-5
Bus E 109	Legal Terminology	3
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Career/Technical Degree	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220	Basic Speech Communication	5
Crpt 100.1	Machine Shorthand Theory 1	10
Crpt 100.2	Machine Shorthand Theory 2	10
Crpt 101.1	Machine Shorthand Theory 3	10
Crpt 101.2	Machine Shorthand – 60 wpm	10
Crpt 102	Machine Shorthand – 80 wpm	8-12
Crpt 133	Machine Shorthand – 100 wpm	8-16
Crpt 134	Machine Shorthand – 120 wpm	8-16
Crpt 135	Machine Shorthand – 140 wpm	8-16
Crpt 136	Machine Shorthand – 160 wpm	8-16
#Crpt 153	Court Reporting Procedures 1	5
#Crpt 154	Court Reporting Procedures 2	5
Crpt 177-179 **and**	Court Reporting/Captioning Work	
	Experience 1-3 **and**	2-6
Coop 171	Work Experience Seminar	1
Crpt 201	Machine Shorthand – 180 wpm	8-16
Crpt 202	Machine Shorthand – 200 wpm	8-16
Crpt 203	Machine Shorthand – 225 wpm	8-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 105	Grammar and Usage	5
Engl 108	Medical Terminology	2

To enhance the student's preparation for future employment, the following are recommended:

Acct 110	Practical Financial Accounting 1	(5)
Bus& 201	Business Law	(5)
Bus E 100	Fundamentals of Computers	(5)
Bus E 107 **or**	Typing Speed and Accuracy 1 **or**	
Bus E 108 **or**	Typing Speed and Accuracy 2 **or**	
*Typing Test	60 wpm with fewer than 5 errors	(0-4)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 266	Inside Microsoft Office	(5)
Crpt 255	Computer-Aided Transcription Advanced	(3)
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.)*

Bus E 112	Beginning Word	(5)
Bus E 140	Records Management	(5)
Bus E 150	Introduction to Windows	(5)
Bus E 162	Introduction to Excel	(5)
Bus E 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 five-minute typing tests at 60 wpm with five or less errors using the proper typing techniques administered by the Business Education Department.

Court Reporting - Sequence B
Computer Reporting Technologies
Associate in Applied Science Degree
106-147 Credits

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu   sweldele@greenriver.edu

Dept./No.	Course Title	Credits
AP 100	Survey of Human Anatomy and Physiology	5
#B A 145 **or**	Business Computation **or**	
Bus E 110 **or**	Business Math Applications **or**	
Math	Eligible for Math 072	0-5
Bus E 109	Legal Terminology	3
#Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Career/Technical Degree	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 220	Public Speaking	5
Crpt 080	Machine Shorthand Lab	1-6
Crpt 090.1	Machine Shorthand Theory Beginning	3-4
Crpt 090.2	Machine Shorthand Theory Intermediate	3-4
Crpt 091	Machine Shorthand Theory-Advanced	3-4
Crpt 092	Machine Shorthand – 40 wpm	3-4
Crpt 093	Machine Shorthand – 60 wpm	3-4
Crpt 094	Machine Shorthand – 80 wpm	5-6
Crpt 095	Machine Shorthand – 100 wpm	5-6
Crpt 096	Machine Shorthand – 120 wpm	5-6
Crpt 097	Machine Shorthand – 140 wpm	5-6
Crpt 098	Machine Shorthand – 160 wpm	5-6
Crpt 099	Machine Shorthand – 180 wpm	5-6
#Crpt 153	Court Reporting Procedures 1	5
#Crpt 154	Court Reporting Procedures 2	5
Crpt 177-179 **and**	Court Reporting/Captioning Work Experience 1-3 **and**	2-6
Coop 171	Work Experience Seminar	1
Crpt 202	Machine Shorthand – 200 wpm	8-16
Crpt 203	Machine Shorthand – 225 wpm	8-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 105	Grammar and Usage	5
Engl 108	Medical Terminology	2

To enhance the student's preparation for future employment, the following are recommended:

Dept./No.	Course Title	Credits
Acct 110	Practical Financial Accounting 1	(5)
Bus& 201	Business Law	(5)
Bus E 100	Fundamentals of Computers	(5)
Bus E 107 **or**	Typing Speed and Accuracy 1 **or**	
Bus E 108 **or**	Typing Speed and Accuracy 2 **or**	
*Typing Test	60 wpm with less than 5 errors	(0-4)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 266	Inside Microsoft Office	(5)
Crpt 255	Computer-Aided Transcription Advanced	(3)
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.)*

Bus E 112	Beginning Word	(5)
Bus E 140	Records Management	(5)
Bus E 150	Introduction to Windows	(5)
Bus E 162	Introduction to Excel	(5)
Bus E 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 five-minute typing tests at 60 wpm with five or less errors using the proper typing techniques administered by the Business Education Department.

Medical Stenoscriptionist
Certificate of Proficiency
43 Credits

This certificate program prepares students to work with medical professionals preparing medical records and reports using a stenograph machine. The high demand in the field of health care has made medical stenoscriptionist an important aspect of the medical profession. The qualified stenoscriptionist must understand disease processes, anatomy, physiology, and medical terminology, as well as medications and their dosages. An increasing number of medical stenoscriptionists work from home-based offices as subcontractors for hospitals and physicians. These medical language specialists work with prerecorded material rather than a live account from a medical professional. Those who specialize in the health care profession will be highly sought after in the next century.

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu   sweldele@greenriver.edu

Dept./No.	Course Title	Credits
AP 100 **or**	Survey of Human Anatomy and Physiology **or**	
AP 103	Essentials of Human Anatomy and Physiology 1	5
Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Career/Technical Degree	5
Bus E 123	Intermediate Medical Transcription	5
Crpt 136	Machine Shorthand – 160 wpm	8-16
Crpt 251	Introduction to Captioning/Alternative Careers	3
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 108	Medical Terminology	2

Suggested Electives: *Students must choose from the following courses to total 43 credits:*

Acct 110	Practical Financial Accounting 1	(5)
B A 145 **or**	Business Computation **or**	
Bus E 110	Business Math Applications	(5)
Bus E 112	Beginning Word	(5)
Bus E 124	Advanced Medical Transcription	(5)
Bus E 140	Records Management	(5)
Bus E 145	International Classification of Diseases Medical Coding	(5)

Bus E 184	Internet and Basic Web Design	(5)
Bus E 255	Advanced Word	(5)
Bus E 266	Inside Microsoft Office	(5)
Crpt 153	Court Reporting Procedures 1	(5)
Crpt 177 **and**	Court Reporting/Captioning Work Experience 1 **and**	
Coop 171	Work Experience Seminar	(2)
Engl 105	Grammar and Usage	(5)

Scopist/Text Editor
Certificate of Proficiency
44 Credits

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu   sweldele@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 109	Legal Terminology	3
Crpt 100.1 **and**	Machine Shorthand Theory 1 **and**	
Crpt 100.2 **or**	Machine Shorthand Theory 2 **or**	
Crpt 090.1 **and**	Machine Shorthand Theory-Beginning **and**	
Crpt 090.2 **and**	Machine Shorthand Theory-Intermediate **and**	
Crpt 091	Machine Shorthand Theory-Advanced	12-20
Crpt 101.1 **or**	Machine Shorthand Theory 3 **or**	
Crpt 092	Machine Shorthand – 40 wpm	4-10
Crpt 153	Court Reporting Procedures 1	5
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 108	Medical Terminology	2

Electives: *Students must choose from the following courses to total 44 credits:*

Acct 110	Practical Financial Accounting 1	(5)
B A 145 **or**	Business Computation **or**	
Bus E 110	Business Math Applications	(5)
Bus E 112	Beginning Word	(5)
Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition I **or**	
Engl 109	Writing for Trades and Career/ Technical Degrees	(5)
Bus E 140	Records Management	(5)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 255	Advanced Word	(5)
Bus E 266	Inside Microsoft Office	(5)
Crpt 177 **and**	Court Reporting/Captioning Work Experience **and**	(1-2)
Coop 171	Work Experience Seminar	(1)
Crpt 251	Introduction to Captioning/Alternative Careers	(3)

Text Entry
Certificate of Proficiency
42 Credits

Contact: Lori Rapozo, ext. 4219   Sidney Weldele-Wallace, ext. 4705
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Dept./No.	Course Title	Credits
Bus E 109	Legal Terminology	3
Bus E 130 **or**	Business Correspondence **or**	
Engl& 101 **or**	English Composition 1 **or**	
Engl 109	Writing for Trades and Career/Technical Degree	5
Crpt 098 **or**	Machine Shorthand – 160 wpm **or**	
Crpt 136	Machine Shorthand –160 wpm	6-16
Crpt 251	Introduction to Captioning/Alternative Careers	3
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 108	Medical Terminology	2

Suggested Electives: *Students must choose from the following courses to total 42 credits:*

Acct 110	Practical Financial Accounting 1	(5)
Bus E 100	Fundamentals of Computers	(5)

Dept./No.	Course Title	Credits	
Bus E 110	Business Math Applications	(5)	
Bus E 112	Beginning Word	(5)	
Bus E 140	Records Management	(5)	
Bus E 184	Internet and Basic Web Design	(5)	
Bus E 255	Advanced Word	(5)	
Bus E 266	Inside Microsoft Office	(5)	
Crpt 177 **and**	Court Reporting/Captioning Work		
	Experience 1 **and**	(1-2)	
Coop 171	Work Experience Seminar	(1)	
Crpt 153	Court Reporting Procedures 1	(5)	
Engl 105	Grammar and Usage	(5)	
Engl 106	Vocabulary Mastery	(5)	

Criminal Justice
Associate in Applied Science Degree
112-113 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. Those interested in transferring to a university should consider this degree because it also satisfies the requirements of the Associate in Arts degree. 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.

Dept./No.	Course Title	Credits	
Anth& 205 **or**	Biological Anthropology **or**		
Anth& 236	Forensic Anthropology	5	
#Cmst& 210	Interpersonal Communication	5	
#Cmst& 230	Small Group Communication	5	
#Engl& 101	English Composition 1	5	
Engl 126 **or**	Writing: Humanities **or**		
Engl 127 **or**	Writing: Social Science **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. 10 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 115 **or**	Critical Thinking **or**		
Phil 160	Introduction to the Philosophy of Science	5	
Photo 101	Beginning Black and White Photography	5	
Photo 111	Beginning Digital Photography	5	
Psyc& 100	General Psychology	5	
Soc& 101	Introduction to Sociology	5	

Required Core Classes:

Dept./No.	Course Title	Credits
CJ& 101	Introduction to Criminal Justice	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205	Criminal Evidence	5
CJ 220	Multicultural Diversity in Criminal Justice	5
Soc 215	Survey of Criminology	5

Electives: *Select from the following courses to total 112-113 credits.*

Dept./No.	Course Title	Credits
Anth& 236	Forensic Anthropology	(5)
Bus E 100	Fundamentals of Computers	(5)
Bus E 140	Records Management	(5)
Bus E 250	Office Relations and Procedures	(5)
CJ& 105	Introduction to Corrections	(5)
CJ& 110	Criminal Law	(5)
CJ 115	Fingerprint Science	(5)
CJ 120	Criminal Justice Professions	(5)
CJ 177-179 **and**	Criminal Justice Work Experience 1-3 **and**	(5)
Coop 171	Work Experience Seminar	(1)
CJ 236	Community-Oriented Policing	(5)
CJ& 240	Introduction to Forensic Science	(5)
CJ 294	Special Topics-Criminal Justice	(5)
CJ 299	Independent Study-Criminal Justice	(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
113-114 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: Ron Riley, ext. 4859   Mary Jane Sherwood, ext. 4387
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Dept./No.	Course Title	Credits	
AP 103	Essentials of Human Anatomy and Physiology 1	5	
AP 104	Essentials of Human Anatomy and Physiology 2	5	
Anth& 205	Biological Anthropology	5	
Biol& 100	Survey of Biology	5	
#Cmst& 210	Interpersonal Communication	5	
#Cmst 220	Public Speaking	5	
#Engl& 101	English Composition I	5	
Engl 126 **or**	Writing: Humanities **or**		
Engl 127 **or**	Writing: Social Science **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 149 **or**	CORE Training for Health **or**	(2)	
P E 131 **or**	Weight Training **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 115 **or**	Critical Thinking **or**		
Phil 160	Introduction to the Philosophy of Science	5	
Photo 101	Beginning Black and White Photography	5	

Photo 111	Beginning Digital Photography	5
Psyc& 100	General Psychology	5
Psyc& 220	Abnormal Psychology	5

Required core classes: (25 credits)

CJ& 101	Introduction to Criminal Justice	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)*   15

Bus E 140	Records Management	(5)
Bus E 250	Office Relations and Procedures	(5)
CJ& 105	Introduction to Corrections	(5)
CJ& 110	Criminal Law	(5)
CJ 120	Criminal Justice Professions	(5)
CJ 177 **and**	Criminal Justice Work Experience 1 **and**	(5)
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)
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.*

Forensic and Fingerprint Technology
Certificate of Proficiency
40 Credits

Green River Community 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.

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            rriley@greenriver.edu   msherwood@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
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 **or**	Criminal Evidence **or**	
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:

Bus E 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.*

Corrections
Certificate of Proficiency
35 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: Ron Riley, ext. 4859   Mary Jane Sherwood, ext. 4387
            rriley@greenriver.edu   msherwood@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
CJ& 101	Introduction to Criminal Justice	5
CJ 200	Individual Rights in Criminal Justice	5
CJ& 105	Introduction to Corrections	5
CJ 220	Multicultural Diversity in Criminal Justice	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:

| 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.*

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: Ron Riley, ext. 4859   Mary Jane Sherwood, ext. 4387
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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
CJ& 101	Introduction to Criminal Justice	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:

Bus E 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 Technology - Design Drafting Technology
Associate in Applied Science Degree
110-111 Credits

This degree program allows students to sample a broad range of drafting careers, including studies in mechanical, architectural, civil, structural, and electrical-electronics 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, KeyCreator, and Mastercam applications 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, welding, and surveying.

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
fserna@greenriver.edu   twaagan@greenriver.edu

Dept./No.	Course Title		Credits
Required Courses:			
#Cmst 100 **or**	Fundamentals of Oral Communication **or**		
Cmst& 210 **or**	Interpersonal Communication **or**		
Cmst& 220	Public Speaking		5
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 102 **or**	Descriptive Geometry **or**	(7)	
D T 102.1 **and**	Descriptive Geometry **and**	(4)	
D T 102.2	Machine Drafting 2	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 113 **or**	Introduction to SolidWorks **or**		
D T 236	Introduction to Inventor		4
D T 131	Mechanical Drafting-CADD		7
D T 135	3-D CADD/CAM		7
D T 151	Technical Illustration		7
#D T 231	Mechanical Design (CADD)		7
#Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**		
Engl 128	Research Writing: Science/Engineering/Business		5
#Math 116T **or**	Technical Math 2 **or**		
Math& 142 **or**	Precalculus II **or**		
Math& 151	Calculus I		5
Phys& 114 **or**	General Physics I with Lab **or**		
Phys& 221	Engineering Physics I with Lab		5

Three credits from the following courses: **3**

Indus 102.1	Welding Survey 1	(3)
Mfg 101 **and**	Introduction to Machining	
	and Manufacturing **and**	(4)
Mfg 102	Conventional Milling and Turning	(4)

Four credits from the following courses: **4**

Carp 167	Residential Material Estimating	(4)
Engr& 214	Statics	(5)
I E 189	Basic Metallurgy	(4)
I E 204	Statics and Strengths	(5)

Suggested Electives: *Additionally, complete 28 credits from the following list:* **28**

Bus 164	Entrepreneurship and Small	
	Business Management	(5)
D T 110	Introduction to AutoCAD	(4)
D T 113	Introduction to SolidWorks	(4)
D T 115	Geometric Dimensioning and Tolerancing	(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	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 200	ADDA Certification	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 225	Civil Drafting 2	(4)
D T 232	Drafting and Design Projects (CADD)	(7)
D T 236	Introduction to Inventor	(4)
D T 237	Advanced 3-D CADD/CAM	(4)
D T 238	Inventor II	(3)
D T 241	Architectural Drafting 2	(4)
GIS 121	Introduction to Geographic Information System	(5)
GIS 260	Cartography-Based Geographic Information System	(5)
I E 114	CATIA-2-D	(4)
I E 210	CATIA-Modeling	(7)
I E 214	CATIA-Solids	(5)
I E 215	CATIA-3-D Surfacing	(4)
Natrs 181	Forest Navigation and Mapping	(8)

A maximum of eight credits from the following courses: **(8)**

Carp	Any Carpentry course	(4)
Engr 106	Introduction to Engineering Problems	(3)
Engr& 214	Statics	(5)
I E 189	Basic Metallurgy	(4)
I E 204	Statics and Strengths	(5)

A maximum of eight credits from the following courses: **(8)**

Carp	Any Carpentry course	(1-8)
Indus	Any Industry shop/lab course	(1-8)
Mfg	Any Manufacturing shop/lab course	(1-8)
Weld	Any Welding shop/lab course	(1-8)

A maximum of 13 credits from the following courses: **(13)**

Coop 171	Work Experience Seminar	(1)
D T 175	Drafting Work Experience	(4-12)
D T 177 **or**	Drafting Work Experience 1 **or**	(3)
D T 178 **or**	Drafting Work Experience 2 **or**	(3)
D T 179	Drafting Work Experience 3	(3)
D T 180 **or**	Leadership Skills 1 **or**	(1)
D T 181 **or**	Leadership Skills 2 **or**	(1)
D T 182	Leadership Skills 3	(1)
D T 199 **or**	Independent Study-Drafting 1 **or**	(1-5)
D T 299	Independent Study-Drafting 2	(1-5)
D T 277 **or**	Drafting Work Experience 4 **or**	(3)
D T 278 **or**	Drafting Work Experience 5 **or**	(3)
D T 279	Drafting Work Experience 6	(3)
P E 113	Group Dynamic Activities	(1)
Tech 100	Careers for the New Millennium	(2)

A maximum of ten credits from the following courses: **(10)**

Engl 100	Introductory Composition	(5)
Engl& 101	English Composition I	(5)
Math 117T	Technical Math 3	(5)
Math& 141	Precalculus I	(5)
Math& 151	Calculus I	(5)
Math& 152	Calculus II	(5)
Phys& 115	General Physics II with Lab	(5)

Satisfies related instruction requirements.

Note: *Courses used to satisfy "Required Courses" requirements may not be used to satisfy "Elective Courses" requirements.*

Construction Design Technology
Associate in Applied Science Degree
120 Credits

This degree program allows students to be employed by firms connected with the construction and building industry. Using board drafting techniques and computer-aided drafting, students prepare drawings in both 2-D and 3-D. 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.

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
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Dept./No.	Course Title		Credits
Required Courses:			
Bus 164	Entrepreneurship and Small Business Management		5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**		
Cmst& 210 **or**	Interpersonal Communication **or**		5
Cmst& 220	Public Speaking		
Coop 171	Work Experience Seminar		1
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
*D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
*D T 102 **or**	Descriptive Geometry **or**	(7)	
D T 102.1 **and**	Descriptive Geometry **and**	(4)	
D T 102.2	Machine Drafting 2	(3)	7
*D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 125	Civil Drafting 1		5
DT 128 **or**	International Residential Code **or**		
DT 129	International Building Code		3
D T 131	Mechanical Drafting-CADD		7
D T 141	Architectural Drafting 1		5
D T 151 **or**	Technical Illustration **or**		
Natrs 181	Forest Navigation and Mapping		7-8
D T 225	Civil Drafting 2		4
#D T 231 **or**	Mechanical Design (CADD) **or**		
	Three credits of the Human Relations Related Instructions requirement found on p. 55		3-7
D T 241	Architectural Drafting 2		4
#Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**		
Engl 128	Research Writing: Science/Engineering/Business		5
GIS 121	Introduction to Geographic Information System		5
GIS 260	Cartography-Based Geographic Information System		5
Engr& 214 **or**	Statics **or**		
I E 204	Statics and Strengths		5
#Math 116T **or**	Technical Math 2 **or**		
Math& 142 **or**	Precalculus II **or**		
Math& 151	Calculus I		5
Phys& 114 **or**	General Physics I with Lab **or**		
Phys& 221	Engineering Physics I with Lab		5

Completion of a minimum of two (2) classes from the following courses:

D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)

Suggested Electives: *Select from the following to total 120 credits*:

Carp	Any Carpentry course	(4)
D T 128	International Residential Code	(3)
D T 129	International Building Code	(3)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 151	Technical Illustration	(7)
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	ADDA Certification	(2)
D T 231	Mechanical Design (CADD)	(7)
D T 210	Advanced AutoCAD Development 1	(4)
D T 277-279	Drafting Work Experience 4-6	(3 ea)
Engr 106	Introduction to Engineering Problems	(3)
P E 113	Group Dynamics Activities	(1)

 # Satisfies related instruction requirements.

Manufacturing Technology CIM
Associate of Applied Science Degree
110-111 Credits

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Dept./No.	Course Title		Credits
Required Courses:			
#Cmst 100 **or**	Fundamentals of Oral Communication **or**		
Cmst& 210 **or**	Interpersonal Communication **or**		
Cmst& 220	Public Speaking		5
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 115	Geometric Dimensioning and Tolerancing		4
D T 131	Mechanical Drafting (CAD)		7
D T 135	3-D CADD/CAM		7
#D T 231	Mechanical Design (CAD)		7
#Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**		
Engl 128	Research Writing: Science/Engineering/ Business		5
I E 189	Basic Metallurgy		4
Mfg 101 **or**	Introduction to Machining and Manufacturing **or**		
Mfg 102	Conventional Milling and Turning		13
Mfg 105	Intermediate Computer Numerical Control Machining		13
Mfg 106 **or**	Special Machining Practices **or**		
Mfg 177	Manufacturing Work Experience		13
#Math 116T **or**	Technical Math 2 **or**		
Math& 142	Precalculus II		5

Area of Emphasis:

A. Machining Emphasis: *Select 13 credits from the following courses:*   **13**

Mfg 102	Conventional Milling and Turning	(1-13)
Mfg 103	Conventional/Numerical Control Machining Level 1	(1-13)

B. Design Drafting Emphasis: *Select 13 credits from the following courses:*   **13**

D T 105	Design Drafting Careers	(2)
D T 237	Advanced 3-D CADD/CAM	(4)
Indus 102	Welding Survey 1	(4)
Mfg 101 **or**	Introduction to Machining and Manufacturing **or**	(4)
Mfg 102	Conventional Milling and Turning	(4)

 # Satisfies related instruction requirements.

Mechanical Design Technology
Associate in Applied Science Degree
120 Credits

Mechanical designers and technicians assist engineers in industry and 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. 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.

For additional information, see the course description listed under Design Technology.

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
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Dept./No.	Course Title		Credits
#Cmst 100 **or**	Fundamentals of Oral Communication **or**		
Cmst& 210 **or**	Interpersonal Communication **or**		
Cmst &220	Public Speaking		5
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 102 **or**	Descriptive Geometry **or**	(7)	
D T 102.1 **and**	Descriptive Geometry **and**	(4)	
D T 102.2	Machine Drafting 2	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 113 **or**	Introduction to SolidWorks **or**		
D T 236	Introduction to Inventor		4
D T 115	Geometric Dimensioning and Tolerancing		4
D T 131	Mechanical Drafting (CADD)		7
D T 135	3-D CADD/CAM		7
D T 151	Technical Illustration		7
D T 145	Structural Drafting-Steel		4
#D T 231	Mechanical Design (CADD)		7
D T 232	Drafting and Design Projects (CADD)		7
D T 237	Advanced 3-D CADD/CAM		4
#Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**		
Engl 128	Research Writing: Science/Engineering/Business		5
I E 189	Basic Metallurgy		4
Engr& 214 **or**	Statics **or**		
I E 204	Statics and Strengths		5
Phys& 114 **or**	General Physics I with Lab **or**		
Phys& 221	Engineering Physics I with Lab		5

#Ten credits from the following Math courses:		10
Math 116T	Technical Math 2	(5)
Math 117T	Technical Math 3	(5)
Math& 141	Precalculus I	(5)
Math& 142	Precalculus II	(5)
Math& 151	Calculus I	(5)
Math& 152	Calculus II	(5)

Suggested Electives: *Select from the following courses to total 120 credits:*

Coop 171	Work Experience Seminar	(1)
D T 113	Introduction to SolidWorks	(4)
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	ADDA Certification	(2)

D T 210	Advanced AutoCAD Development 1	(4)
D T 236	Introduction to Inventor	(4)
D T 238	Inventor II	(3)
D T 277-279	Drafting Work Experience 4-6	(3 ea)
Engr 106	Introduction to Engineering Problems	(3)
Indus 102.1	Welding Survey 1	(3)
Mfg	Any Machining and Manufacturing class	(10)

 # Satisfies related instruction requirements.

Architectural Drafting Proficiency
Certificate of Proficiency
39-42 Credits

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Dept./No.	Course Title		Credits
Core Requirements			
D T 100 **or**	Introduction to CADD/CAM **or**		(7)
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 131	Mechanical Drafting (CADD)		7
D T 141	Architectural Drafting 1		5
D T 241	Architectural Drafting 2		4
Complete a minimum of 2 classes from the following courses:			**7-9**
Carp 167	Residential Material Estimating		(4)
D T 125	Civil Drafting 1		(5)
D T 128	International Residential Code		(3)
D T 129	International Building Code		(3)
D T 142	REVIT Architecture 1		(4)
D T 145	Structural Drafting-Steel		(4)
D T 146	Structural Drafting-Concrete		(4)
D T 147	Structural Drafting-Wood		(4)
D T 225	Civil Drafting 2		(4)

Architectural, Structural and Civil Drafting
Certificate
74 Credits

This certificate program develops entry-level skills in preparing detail drawings, using board drafting skills and computer-aided drafting skills, from sketches, notes, specifications and technical data furnished by architects, engineers, surveyors, builders, and firms connected with the construction and building industry. Students completing this program may enter into the following Associate of Applied Science degree programs - Construction Design Technology and Design Drafting Technology.

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Dept./No.	Course Title		Credits
Core Requirements			
#Cmst 100 **or**	Fundamentals of Oral Communication **or**		
Cmst& 210 **or**	Interpersonal Communication **or**		
Cmst& 220	Public Speaking		5
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	

D T 101.2	Machine Drafting 1	(3)	7
D T 102 **or**	Descriptive Geometry **or**	(7)	
D T 102.1 **and**	Descriptive Geometry **and**	(4)	
D T 102.2	Machine Drafting 2	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 125	Civil Drafting 1		5
D T 131	Mechanical Drafting (CADD)		7
D T 141	Architectural Drafting 1		5
D T 142 **or**	REVIT Architecture 1 **or**		
D T 145 **or**	Structural Drafting-Steel **or**		
D T 146 **or**	Structural Drafting-Concrete **or**		
D T 147	Structural Drafting-Wood		4
#D T 231 **or**	Mechanical Design (CADD) **or**		
	Three credits of the Human Relations Related		
	Instruction requirement found on p. 55		3-7
D T 225 **or**	Civil Drafting 2 **or**		
D T 241	Architectural Drafting 2		4
#Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**		
Engl 128	Research Writing: Science/Engineering/Business		5
#Math 116T **or**	Technical Math 2 **or**		
Math& 142 **or**	Precalculus II **or**		
Math& 151	Calculus I		5

Electives: *Students may choose from the following courses to total 74 credits.*

Carp	Any Carpentry course(s)	(1-8)	
	Except Carp 161, Residential Print Reading)		
Coop 171	Work Experience Seminar	(1)	
D T 128	International Residential Code	(3)	
D T 129	International Building Code	(3)	
D T 142	REVIT Architecture 1	(4)	
D T 145	Structural Drafting-Steel	(4)	
D T 146	Structural Drafting-Concrete	(4)	
D T 147	Structural Drafting-Wood	(4)	
D T 151	Technical Illustration	(7)	
D T 177	Drafting Work Experience 1	(3)	
D T 180-181	Leadership Skills 1-2	(1 ea)	
D T 199 **or** 299	Independent Study-Drafting 1 **or** 2	(1-5 ea)	
D T 200	ADDA Certification	(2)	
D T 210	Advanced AutoCAD Development 1	(4)	
D T 225	Civil Drafting 2	(4)	
D T 231	Mechanical Design (CADD)	(7)	
D T 241	Architectural Drafting 2	(4)	
Engr 106	Introduction to Engineering Problems	(3)	
GIS 121	Introduction to Geographic Information Systems	(5)	
GIS 260	Cartography-Based Geographic Information Systems	(5)	
Engr& 214 **or**	Statics **or**		
I E 204	Statics and Strengths	(5)	

 # Satisfies related instruction requirements.

Civil Drafting Proficiency
Certificate of Proficiency
40-42 Credits

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
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Dept./No.	Course Title	Credits	
Core Requirements			
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 131	Mechanical Drafting-CADD		7
D T 125	Civil Drafting 1		5
D T 225	Civil Drafting 2		4

Complete a minimum of 2 classes from the following courses:			8-9
D T 141	Architectural Drafting 1	(5)	
D T 142	REVIT Architecture 1	(4)	
D T 145	Structural Drafting-Steel	(4)	
D T 146	Structural Drafting-Concrete	(4)	
D T 147	Structural Drafting-Wood	(4)	
D T 241	Architectural Drafting 2	(4)	

Drafting Proficiency
Certificate of Proficiency
39-44 Credits

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
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Dept./No.	Course Title	Credits	
Core Requirements			
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 102 **or**	Descriptive Geometry **or**	(7)	
D T 102.1 **and**	Descriptive Geometry **and**	(4)	
D T 102.2	Machine Drafting 2	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 131	Mechanical Drafting-CADD		7

Complete a minimum of nine (9) credits but no more than 13 credits from the following courses:			
D T 113	Introduction to SolidWorks	(4)	
D T 125	Civil Drafting 1	(5)	
D T 135	3-D CADD/CAM	(7)	
D T 141	Architectural Drafting 1	(5)	
D T 142	REVIT Architecture 1	(4)	
D T 145	Structural Drafting-Steel	(4)	
D T 146	Structural Drafting-Concrete	(4)	
D T 147	Structural Drafting-Wood	(4)	
D T 151	Technical Illustration	(7)	
D T 225	Civil Drafting 2	(4)	
D T 231	Mechanical Design (CADD)	(7)	
D T 232	Drafting and Design Projects (CADD)	(7)	
D T 236	Introduction to Inventor	(4)	
D T 237	Advanced 3-D CADD/CAM	(4)	
D T 238	Inventor II	(4)	
D T 241	Architectural Drafting 2	(4)	
I E 114	CATIA–2-D	(4)	
I E 210	CATIA-Modeling	(7)	
I E 214	CATIA– 3-D Solids	(5)	
I E 215	CATIA–3-D Surfacing	(4)	

Mechanical CAD Proficiency
Certificate of Proficiency
35-36 Credits

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Dept./No.	Course Title	Credits	
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(3)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 131	Mechanical Drafting-CADD		7
D T 135	3D CADD/CAM		7
D T 231	Mechanical Design-CADD		7

Mechanical 3-D CAD
Certificate of Proficiency
43-44 Credits

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
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Dept./No.	Course Title		Credits
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 131	Mechanical Drafting (CADD)		7
D T 135	3D CADD/CAM		7
D T 231	Mechanical Design (CADD)		7
D T 113 **or**	Introduction to Solidworks **or**		
D T 236	Introduction to Inventor		4
D T 237	Advanced 3D CADD/CAM		4

Mechanical Drafting
Certificate
76 Credits

This certificate program develops entry-level board drafting and computer-aided drafting skills in mechanical drafting and design. The ANSI (American National Standards Institute) and the ASME (American Society of Mechanical Engineers) drafting and design standards will be taught and reinforced as students prepare working 2-D and 3-D drawings of objects for fabrication with AutoCAD, KeyCreator, and Mastercam application software. Throughout this course of study, students will be required to use sketches, notes, technical literature, and personal research to complete assignments. Students completing this program may enter into one of three Associate of Applied Science degree programs: Design Drafting Technology, Mechanical Design Technology, or Manufacturing Technology-CIM.

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Dept./No.	Course Title		Credits
Core Requirements			
#Cmst 100 **or**	Fundamentals of Oral Communication **or**		
Cmst& 210 **or**	Interpersonal Communication **or**		
Cmst& 220	Public Speaking		5
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to KeyCreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 102 **or**	Descriptive Geometry **or**	(7)	
D T 102.1 **and**	Descriptive Geometry **and**	(4)	
D T 102.2	Machine Drafting 2	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 113 **or**	Introduction to SolidWorks **or**		
D T 236	Introduction to Inventor		4
D T 115	Geometric Dimensioning and Tolerancing		4
D T 131	Mechanical Drafting (CADD)		7
D T 135	3-D CADD/CAM		7
#D T 231	Mechanical Design (CADD)		7
D T 237	Advanced 3-D CADD/CAM		4
#Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**		
Engl 128	Research Writing: Science/Engineering/Business		5
Indus 102.1 **or**	Welding Survey 1 **or**	(3)	
Mfg 101 **or**	Introduction to Machining and Manufacturing **or**	(4)	

Mfg 102	Conventional Milling and Turning	(4)	3-4
#Math 116T **or**	Technical Math 2 **or**		
Math& 142 **or**	Precalculus II **or**		
Math& 151	Calculus I		5

Electives: *Students must choose from the following courses to 76 credits:*

Coop 171	Work Experience Seminar	(1)
D T 113	Introduction to SolidWorks	(4)
D T 161	Electrical and Electronic Drafting (CADD)	(5)
D T 177	Drafting Work Experience 1	(3)
D T 180-181	Leadership Skills 1-2	(1 ea)
D T 199 **or** 299	Independent Study-Drafting1 **or** 2	(1-5)
D T 200	ADDA Certification	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 232	Drafting and Design Projects (CADD)	(7)
D T 236	Introduction to Inventor	(4)
D T 237	Advanced 3-D CADD/CAM	(4)
D T 238	Inventor II	(3)
D T 261	Printed Circuit Board Design (CADD)	(4)
D T 277-279	Drafting Work Experience 4-6 **or**	(3 ea)
Engr 106	Introduction to Engineering Problems	(3)
Engr& 214 **or**	Statics **or**	(5)
I E 204	Statics and Strengths	(5)
I E 114	CATIA–2-D	(4)
I E 210	CATIA–Modeling	(7)
I E 214	CATIA– 3-D Solids	(5)
I E 215	CATIA–3-D Surfacing	(4)

 # Satisfies related instruction requirements.

Structural Drafting
Certificate of Proficiency
38-42 Credits

Contact: Felix Serna, ext.4321   Terry Waagan, ext. 4342
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Dept./No.	Course Title		Credits
Core Requirements			
D T 100 **or**	Introduction to CADD/CAM **or**	(7)	
D T 110 **and**	Introduction to AutoCAD **and**	(4)	
D T 112	Introduction to Keycreator	(4)	7-8
D T 101 **or**	Technical Drafting **or**	(7)	
D T 101.1 **and**	Drafting Fundamentals **and**	(4)	
D T 101.2	Machine Drafting 1	(3)	7
D T 105 **or**	Design Drafting Careers **or**		
Tech 100	Careers for the New Millennium		2
D T 131	Mechanical Drafting (CADD)		7

Complete a minimum of two (2) classes from the following courses:			8
D T 142	REVIT Architecture 1	(4)	
D T 145	Structural Drafting-Steel	(4)	
D T 146	Structural Drafting-Concrete	(4)	
D T 147	Structural Drafting-Wood	(4)	

Complete a minimum of two (2) classes from the following courses:			7-10
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	REVIT Architecture 1	(4)	
D T 145	Structural Drafting-Steel	(4)	
D T 146	Structural Drafting-Concrete	(4)	
D T 147	Structural Drafting-Wood	(4)	
D T 225	Civil Drafting 2	(4)	
D T 241	Architectural Drafting 2	(4)	

Early Childhood Education and Diversity Studies
Associate in Applied Science- Transfer (AAS-T)
90-91 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. Programs that offer this degree option will have articulated a transfer agreement with specific universities.

Students completing the AAS-T Early Childhood Education and Diversity Studies degree will also earn an Early Childhood Education certificate and a separate certificate in Diversity Studies. The completion of the degree and 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 eight years of age. This curriculum provides meaningful instruction for parents, foster parents, and persons working with young children as 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:

- Completion of 90 applicable college level quarter credit hours.

- Green River cumulative GPA must be a minimum of 2.00 (Note: A higher admissions GPA may be required at the receiving institutions).

- Transfer credits with less than a "D" grade are not counted to satisfy a graduation requirement.

- At least 30 of the 90 quarter credits for a degree must be completed in residence at Green River.

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Dept./No.	Course Title	Credits
Basic Skills Requirement		**15**
Engl& 101	English Composition I	(5)
Cmst& 220	Public Speaking	(5)
Math	Completion of Math course for which Math 097 or higher is a prerequisite	(5)
Lab Science Requirement: *Select 5-6 credits from the following:*		**5-6**
Biol &100	Survey of Biology	(5)
Biol 103	Introduction to Botany	(5)
Chem& 121	Introduction to 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& 163	General Chemistry with Lab III	(6)
Chem& 261	Organic Chemistry with Lab I	(6)
Chem& 262	Organic Chemistry with Lab II	(6)
Chem& 263	Organic Chemistry with Lab III	(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& 114	General Physics I with Lab	(5)
Phys& 115	General Physics II with Lab	(5)
Phys& 116	General Physics III with Lab	(5)
Phys 154	Physics for the Life Sciences 1	(5)
Phys 155	Physics for the Life Sciences 2	(5)
Phys 156	Physics for the Life Sciences 3	(5)
Phys& 221	Engineering Physics I with Lab	(5)
Phys& 222	Engineering Physics II with Lab	(5)
Phys& 223	Engineering Physics III with Lab	(5)

Diversity Studies Requirements		**25**
Select 5 credits from the following list of diversity studies courses		
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)

Select an additional 20 credits from the following courses to satisfy the 25 credits of Diversity Studies requirement		**25**
Ames 150	Race and Ethnicity in the Pacific Northwest	(5)
Anth& 206	Cultural Anthropology	(5)
Anth& 210	Indians of North America	(5)
CJ 220	Multicultural Diversity in Criminal Justice	(5)
Engl 160	Literature By and About Women	(5)
Engl 161	Cultures of Desires	(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 248	African-American Literature	(5)
Engl 249	U. S. Latino Literature	(5)
Engl& 256	World Literature III: 19th to 21st Century	(5)
Engl 257	Non-Western World Literature	(5)
Film 121	Contemporary American Film	(5)
Geog& 200	Human Geography	(5)
Hist 103	The Modern World	(5)
Hist& 215	Women 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)
Human 190	Latin American Culture through Literature	(5)
Human 191	Latin America in Film	(5)
Human 224	Women and World Religions	(5)
Phil 206	Gender and Philosophy	(5)
Pols& 204	Comparative Government	(5)
Soc 205	Sociology of Disability	(5)
Soc 220	Sex and Gender in Society	(5)
Span& 221	Spanish IV	(5)
Span& 222	Spanish V	(5)
Span& 223	Spanish VI	(5)

Early Childhood Education Core Requirements **45**
Select one or more of the Early Childhood Education certificates with any Eced/Educ course over the 100-level to make up 45 credits. (Must include Educ 240 Multicultural/Anti-Bias Issues in Education [5 credits] and 12 credits of practicum.)

- Early Childhood Education, Certificate of Proficiency, 44 credits (see page 85)
- Early Childhood Education, Assistant Teacher, Certificate of Proficiency, 29 credits (see page 85)
- Early Childhood Education, Child Development Associate (CDA), Certificate of Proficiency, 20 credits (see page 85)
- Early Childhood Education, Instructional Paraeducator, Certificate of Proficiency, 44 credits (see page 85)
- Early Childhood Education, Montessori Teaching, Certificate of Proficiency, 35 credits (see page 86)
- Early Childhood Education, Initial Certificate, 12 credits (see page 86)
- Early Childhood Education, Short Certificate, 20 credits (see page 86)
- Early Childhood Education, State Credential, 52 credits (see page 86)

Early Childhood Education - Paraeducator
Associate in Applied Science-Transfer (AAS-T)
97-99 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.*Students who wish to explore other transfer options in Teacher Education should contact Project TEACH, a pre-service teacher preparation program designed to provide future teachers with a seamless pathway to a teaching career through partnership with local schools. Project TEACH provides classes designed specifically for future K-12 teachers.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
              dholz@greenriver.edu   lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Basic Skills Requirements		
Engl& 101	English Composition I	5
Select one 5-credit course from the following:		**5**
Math& 107	Math in Society	(5)
Math& 141	Precalculus I	(5)
Math 147	Finite Math for Business and Social Science	(5)
Math& 148	Business Calculus	(5)
Math& 171	Math for Elementary Education I	(5)
Humanities/Fine Arts		
Art& 100	Art Appreciation	5
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220	Public Speaking	5
Musc& 105	Music Appreciation	5
Social Science		
Anth& 100 or	Survey of Anthropology or	
Anth& 206	Cultural Anthropology	5
Psyc& 100	General Psychology	5
Natural Science		
Biol& 100 or	Survey of Biology or	
Geol& 101	Introduction to Physical Geology	5
Health Education		
Hl Ed 150	Total Wellness	5
Program Core:		
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 194	Special Topics: School Orientation	1
Eced 195	Special Topics: Alcohol and Drug Awareness	1
Eced 196	Special Topics: Test Administration and Scoring	1

Dept./No.	Course Title	Credits
Educ& 115	Child Development	5
Educ& 130	Guiding Behavior	3
Educ 190	The Role of the Paraeducator	2
Educ& 204	Exceptional Child	5
Educ 210	Assisting Practicum	6
Educ 240	Multicultural/Anti-Bias Issues in Education	3-5
Educ 245	Challenging Behaviors in Young Children	2
Educ 293	Issues of Child Abuse	2
Electives	Any Eced, Educ	5

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
100-109 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 eight 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.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
              dholz@greenriver.edu   lkessler@greenriver.edu

Dept./No.	Course Title	Credits
#B A 145 or	Business Computation or	
	Any Acomp 100T or	
	Math course 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 112	Technology in Education	3
#Eced& 120	ECE Practicum 1: Nurturing Relationships	2
Eced 152	Multicultural Books	3
Eced 155	Exploring Science and Math P-3	5
Eced& 160	Curriculum Development in Early	
	Childhood Development	5
Eced 165	Art for Children	3
Eced 170	Environments-Young Child	3
Eced 175	Music and Movement Activities	3
Eced& 180	Language and Literacy Development	3
Eced& 190	Observation and Assessment	3
Eced 250	Early Childhood Education Final Practicum	3
Educ& 115	Child Development	5
Educ& 130	Guiding Behavior	3
Educ& 150	Child, Family and Community Relationships	3
Educ& 204	Exceptional Child	5
Educ 240	Multicultural/Anti-Bias Issues in Education	3-5
#Engl& 101	English Composition I	5
Select eight to twelve (8-12) credits from the following practicum classes:		**8-12**
Eced& 120	ECE Practicum I: Nurturing Relationship	(2)
Eced 124.1	Child Development Associate Practicum 1	(3)
Eced 124.2	Child Development Associate Practicum 2	(3)
#Eced 124	Early Childhood Education Practicum 2	(2)
Eced 181	Montessori Practicum 1	(4)
Eced 182	Montessori Practicum 2	(4)
#Eced 214	Early Childhood Education Practicum 3	(3)
#Eced 215	Early Childhood Education Practicum 4	(3)
Eced 260	CDA Performance Documentation	(5)

| Eced 265 | Supervised Montessori Teaching | (4) |
| Educ 210 | Assisting Practicum | (6) |

Electives or Areas of Specialization   **12-15**
Any Eced or Educ class numbered 100 or higher.

 # 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.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
       dholz@greenriver.edu   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 112	Technology in Education	3
Eced& 120	ECE Practicum 1: Nurturing Relationships	2
Eced 124	Early Childhood Education Practicum 2	2
Educ& 130	Guiding Behavior	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.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
       dholz@greenriver.edu   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 and Movement Activities	3
Educ& 115	Child Development	5
Educ& 130	Guiding Behavior	3

Early Childhood Education
Child Development Associate Preparation (CDA)
Certificate of Proficiency
20 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.

Contact: Candy Benteu, Ext. 2729   Leslie Kessler, ext. 4555
       cbenteu@greenriver.edu   lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Eced 125	Introduction to CDA	5
Eced 225	CDA Course Content	5
Eced 230	CDA Work Ethics	5
Eced 260	CDA Performance Documentation	5
Recommended Supplemental Courses:		
Eced 124.1	CDA Practicum 1	3
Eced 124.2	CDA Practicum 2	3

Early Childhood Education
Instructional Paraeducator
Certificate of Proficiency
44 Credits

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
       dholz@greenriver.edu   lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Students must choose from the following courses to total 44 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 195	Special Topics-Alcohol and Drug Awareness	1
Eced 196	Special Topics-Test Administration and Scoring	1
Educ& 115	Child Development	5
Educ& 130	Guiding Behavior	3
Educ 190	The Role of the Paraeducator	2
Educ& 204	Exceptional Child	5
Educ 210	Assisting Practicum	6
Educ 240	Multicultural/Anti-Bias Issues in Education	3
Educ 293	Issues of Child Abuse	2

Early Childhood Education
Montessori Teaching
Certificate of Proficiency
35 Credits

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
             dholz@greenriver.edu   lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Select from the following courses to total 34 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

Early Childhood Education
Initial Certificate
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 Science Degree. After completion, students are on Level 5 of the Washington state Career Lattice.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
             dholz@greenriver.edu   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

Early Childhood Education
Short Certificate
Certificate of Proficiency
20 Credits

The Early Childhood Education (ECE) Short Certificate builds on the Initial Certificate as the second "stackable certificate." At this point, students have five choices: ECE General, Infant/Toddler Care, School-Age Care, Family Child Care, and ECE Administration. 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.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
             dholz@greenriver.edu   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

NOTE: *For other areas of specialization, please call Diana Holz, at ext. 4334. Other areas of specialization include Infant Toddler Care, School-Age Care, Family Child Care, and Administration.*

Early Childhood Education
State Credential
Certificate
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.

Contact: Diana Holz, ext. 4334   Leslie Kessler, ext. 4555
             dholz@greenriver.edu   lkessler@greenriver.edu

Dept./No.	Course Title	Credits
#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
Eced& 160	Curriculum Development	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
#Engl& 101	English Composition I	5
#Math	Any Math class 100 or higher	5

 # Satisfies related instruction requirements.

Geographic Information Systems
Associate in Applied Science Degree
101-110 Credits

Geographic Information Systems (GIS) are software applications designed to support decision-making, site-selection, spatial analysis and cartography (mapmaking). This technology is widely used by industry and government to support applications such as urban growth management, natural resources/conservation and utilities management. The GIS program prepares students for employment as a GIS technician and analysts. Graduates are employed by a wide variety of government agencies, utilities, private businesses and nonprofit organizations.

Contact: Sabah Jabbouri, ext. 4854
             sjabbouri@greenriver.edu

Dept./No.	Course Title	Credits
FIRST YEAR		
Fall Quarter		
#GIS 104	Introduction to Geospatial Technology	3
GIS 121	Introduction to Geographic Information Systems	5
GIS 250	Data and Spatial Database Design	5
Natrs 172 **or**	Computer Applications Overview **or**	
Natrs 286	Natural Resources Business Principles	4-5
Winter Quarter		
#Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
Geog 120 **or**	Introduction to Physical Geography **or**	
Natrs 270	Streams and Wetland Technology	5

Dept./No.	Course Title	Credits
GIS 141	Spatial Statistics	3
GIS 260	Cartography-Based GIS	5

Spring Quarter

GIS 220	GIS Modules Analyst	5
IT 201	Fundamental Database Design	5
Electives	Any course 100-level or higher	5-10

SECOND YEAR

Fall Quarter

D T 110	Introduction to AutoCAD	4
#Math 115T **or**	Technical Algebra/Trigonometry 1 **or**	
Math 116T **or**	Technical Mathematics 2 **or**	
Math& 141 **or**	Precalculus I **or**	
Math 147	Finite Math for Business and Social Science	5
Natrs 117	Aerial Photography Uses and Ground Based Mapping	2
Electives	Any course 100-level or higher	4

Winter Quarter

#Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5
Coop 171 **or**	Work Experience Seminar **or**	
Natrs 290	Internship Seminar	1
#GIS 202	GIS Fundamentals and Theory	5
GIS 255	Introduction to GIS Programming	5
#GIS 291	GIS Project Planning	2

Spring Quarter

GIS 177-179	GIS Work Experience 1-3	8
GIS 270	GIS in the Field	5
GIS 292	GIS Project	5-8

 # Satisfies related instruction requirements.

Geographic Information Systems
Certificate of Proficiency
44 Credits

This certificate program is an intensive nine to twelve month program. It is designed for anyone without GIS background who wants to pursue GIS as a new career or for those pursuing GIS careers in government, industry, utilities, planning, municipal services, health or business. This program accepts new students each fall quarter. Students with previous GIS training and/or experience may be admitted beginning in winter or spring quarter.

Contact: Sabah Jabbouri, ext. 4854
sjabbouri@greenriver.edu

Dept./No.	Course Title	Credits

Fall Quarter

GIS 104	Introduction to Geospatial Technology	3
GIS 121	Introduction to Geographic Information Systems	5
GIS 250	Data and Spatial Database Design	5
Natrs 117	Aerial Photography Uses and Ground Based Mapping	2

Winter Quarter

GIS 141	Spatial Statistics	3
GIS 202	GIS Fundamentals and Theory	5
GIS 260	Cartography Based-GIS	5
GIS 291	GIS Project Planning	2

Spring Quarter

GIS 220	GIS Modules Analyst	5
GIS 270	GIS in the Field	5
#GIS 292	GIS Project	4

To enhance student's preparation for employment, an internship is highly recommended:

GIS 177-179 **and**	GIS Work Experience 1-3 **and**	8
Coop 171	Work Experience Seminar	1

Geographic Information System and Information Technology
Associate in Applied Science Degree
118 – 121 Credits

Geographic Information Systems (GIS) and Information Technology (IT) are programs that support many applications designed to support decision-making, site-selection, spatial analysis and cartography (map making). This technology is widely used by industry and government to support applications such as urban growth management, natural resources/conservation and utilities management. The GIS/IT program prepares students for employment as a GIS/IT technician and analysts. Graduates are employed by a wide variety of government agencies, utilities, private businesses, and nonprofit organizations.

Contact: Sabah Jabbouri, ext. 4854
sjabbouri@greenriver.edu

Dept./No	Course Title	Credits

FIRST YEAR

Fall Quarter

#GIS 104	Introduction to Geospatial Technology	3
GIS 121	Introduction to GIS	5
GIS 250	Data and Spatial Database Design	5
IT 121	Introduction to HTML	5

Winter Quarter

#GIS 202	GIS Fundamentals and Theory	5
GIS 260	Cartography-Based-GIS	5
IT 114	PC Repair Technician	7
IT 131	Networking Infrastructure Fundamentals	5

Spring Quarter

#Engl& 101 **or**	English Composition I **or**	
Engl 109 **or**	Writing for Trades and Career/Technical Degrees **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
Engr 120	Introduction to Programming	2
GIS 220	GIS Modules Analyst	5
IT 201	Fundamental Database Design	5

Summer Quarter

#Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5

SECOND YEAR

Fall Quarter

CS& 141	Computer Science I Java	5
GIS 280	ArcGIS Server	5
#Math 115T **or**	Technical Algebra/Trigonometry 1 **or**	
Math 116T **or**	Technical Math 2 **or**	
Math& 141 **or**	Precalculus I **or**	
Math 147	Finite Math for Business and Social Science	5

Winter Quarter

GIS 255	Introduction to GIS Programming	5
#GIS 291	GIS Project Planning	2
IT 160	MS Windows (Current Version) Server Implementation	5
IT 203	Web Client Development	5

Spring Quarter

GIS 270	GIS in the Field	5
GIS 265	Enterprise Spatial Database Design	5
#GIS 292	GIS Project	5–8
Natrs 290	Internship Seminar	1

Summer Quarter

GIS 177-179	GIS Work Experience 1-3	8

 # Satisfies related instruction requirements.

Information Technology - Network Administration and Security
Bachelor of Applied Science Degree (BAS)
180 Credits

This Bachelor of Applied Science degree 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 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.

Students must attain a cumulative GPA of at least 2.0 on all college-level courses.

Entry Requirements: To enter this program, students must have a technical associate degree in an IT-related field from a regionally accredited institution that includes at least 45 credits of IT courses and at least 20 credits of general education courses. A cumulative GPA of 2.0 from all college courses is required. Students must have earned a minimum grade of 2.5 in all IT courses.

The following IT courses, or their equivalents, are strongly recommended before entering this program because they contain foundational knowledge upon which the upper-division IT courses build:

- IT 102 Programming I for Information Professionals
- IT 114 PC Repair Technician
- IT 131 Networking Infrastructure Fundamentals
- IT 160 Microsoft Windows (Current Version) Server Implementation
- IT 190 Linux Administration
- IT 210 Managing Cisco Routers and Switches
- IT 240 Manage MS Windows (Current Version) Network Environment

For more information about this degree, please contact any one of the following:

Contact: Alan Carter, ext. 4630   Krishnan Mahadevan ext. 4311
          acarter@greenriver.edu   kmahadevan@greenriver.edu

          Ken Hang, ext. 4310
          khang@greenriver.edu

Dept./No.	Course Title	Credits
Communication Skills (15 credits)		
Engl& 101	English Composition I	5
Engl 335	Advanced Technical Writing	5
Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
Quantitative/Symbolic Reasoning Skills (5 credits)		
Math 108 **or**	Contemporary Math for Information Technology **or**	
Math 147	Finite Math for Business and Social Science **or**	
	Any 5-credit Math class numbered 108 or higher.	5
Humanities (10 credits)		
Cmst 338	Diversity in the Workplace	5
Phil 412	Professional Ethics	5

Dept./No.	Course Title	Credits
Social Sciences (10 credits)		
Bus 340	Project Management	5
Five credits from the list of Social Science courses approved for the AA-DTA degree		5
Natural Sciences (15 credits)		
CS& 131 **or**	Computer Science I C++ **or**	
CS& 141	Computer Science I Java **or**	
	Any other generally-transferable programming course	5
Five credits lab science from Natural Science List A for the AA-DTA degree		5
Five credits from Natural Science List A or List B for the AA-DTA degree		5
(CS 132, C++ Data Structures and CS 145 Java 2 are strongly recommended)		
Additional General Education (5 credits)		
Five credits from the lists of humanities/fine arts/English, social science, **or** natural science courses listed in the AA-DTA degree.		5
Core Requirements (50 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 385	Scripting for Windows and Linux	5
IT 390	Mobile Devices and Wireless Networking in the 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

Electives (25 credits)
Twenty-five credits from any courses numbered 100 or higher

Information Technology - Computer Support Specialist
Associate in Applied Science-Transfer Degree (AAS-T)
90 Credits

This degree program prepares students for entry-level employment in a variety of IT positions, such as: PC repair technician, computer support technician, technical support specialist, and systems administrator.

Students in this degree program receive foundational training in a broad range of help desk and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. In addition to these specialized courses, students learn key interpersonal communication skills sought by employers, and complete a minimum of 120 hours of help-desk work experience.

Computer support technicians troubleshoot hardware, software, and operating system problems reported by end users, often over the telephone. Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. System administrators install, support, and maintain an organization's network servers and directory services infrastructure.

Contact: Alan Carter, ext. 4630   Krishnan Mahadevan, ext. 4311
          acarter@greenriver.edu   kmahadevan@greenriver.edu

          Ken Hang, ext. 4310
          khang@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements		
Bus& 101	Introduction to Business	5
Cmst& 210 **or**	Interpersonal Communication **or**	

Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
Engl& 101	English Composition I	5
Math& 107 **or**	Math in Society **or**	
Math 108 **or**	Contemporary Math for Information Technology **or**	
Math& 141 **or**	Precalculus I **or**	
Math& 142 **or**	Precalculus II **or**	
Math 147 **or**	Finite Math for Business and Social Science **or**	
Math& 148 **or**	Business Calculus **or**	
Math& 151 **or**	Calculus I **or**	
Math 256	Statistics for Business and Social Science	5

Core Requirements

*Keyboarding	30 wpm (5 minute-typing test)	
Bus E 132	Business Communication Applications	5
Bus E 266	Inside Microsoft Office	5
IT 101 **or**	Introduction to Computer Science **or**	
Bus E 100	Fundamentals of Computers	5
IT 114 **or**	PC Repair Technician **or**	
	CompTIA A+ Certification	0-7
IT 116	PC Support Technician 3 (Windows Applications)	5
IT 131	Network Infrastructure Fundamentals	5
IT 135	Introduction to Network Security	5
IT 141	Customer Service and Work Environment for IT Professionals	4
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 102 **or**	Programming I for Information Professionals **or**	
IT 121 **or**	Introduction to HTML **or**	
Bus E 184 **or**	Internet and Basic Web Design **or**	
CS& 131 **or**	Computer Science I C++ **or**	
CS& 141	Computer Science I Java I	5
IT 240	Manage MS Windows (Current version) Network Environment	5

Practical Experience: Four credits from the following courses:		**4**
IT 175	Student Assistant	(0-4)
IT 178	Help Desk Work Experience	(0-5)

Electives: **10-17**

Select any IT courses numbered 100 or higher that is not listed above to total 90 credits. 17 elective credits are only required if students submit a CompTIA A+ certification in place of IT 114, otherwise 10 credits of electives are required.

Keyboarding/typing skills may be demonstrated by passing a five-minute typing test at 30 wpm with five or less errors using the proper typing techniques.

Notes:

1. IT 210 and IT 190 strongly recommended for students who plan to complete a BAS degree in IT.

2. Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.

Information Technology - Mobile Application Design and Development
Associate in Applied Science-Transfer Degree (AAS-T)
92 Credits

This degree program prepares students for internships and entry-level employment in mobile application development. In addition, the degree program prepares students for transfer to a university to complete a bachelor's degree in an IT-related field.

Students in this degree program receive foundational training in visual design skills and computational thinking resulting in a balanced, well-rounded approach to the design and development of applications for modern smartphone and tablet computing platforms. Students complete three courses focusing on creating the elements of user experience (Beginning Design, Visual Concepts of Web Design, and General Psychology), two Computer Science courses on programming and problem solving in Java or C++, and two project-based Information Technology courses in iOS and Android application development. In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and about the global business context in which mobile applications are distributed.

A growing number of smartphone and tablet users activate roughly one million iOS devices and one million Android devices every day. In 2012, both iOS and Android platforms reached a benchmark of 25 billion applications (app) downloads each, with cumulative industry revenues exceeding $30 billion. In addition to technology companies, a wide variety of product and service companies are scrambling to build mobile applications. Mobile application designers and developers who understand both the visual design constraints afforded by smaller screen sizes with touch interfaces and the importance of efficient code to provide a responsive user experience while conserving battery power are in high demand.

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Dept./No.	Course Title	Credits
General Education Requirements		
Engl& 101	English Composition I	5
Math& 142 **or**	Precalculus II **or**	
Math& 151	Calculus I	5
Phys& 114	General Physics I with Lab	5
Phys& 221	Engineering Physics I with Lab	5

NOTE: Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements for the university to which they intend to transfer.

Core Requirements

*Keyboarding	30 wpm (3 minute-typing test)	
Anth& 206	Cultural Anthropology	5
Art 109	Beginning Design	5
Art 122	Visual Concepts of Web Design	5
Bus& 101 **or**	Introduction to Business **or**	
Bus& 201	Business Law	5
Cmst& 220	Public Speaking	5
Cmst& 230	Small Group Communication	5
CS 120	Introduction to Programming	2
CS& 131 **or**	Computer Science I C++ **or**	
CS& 141	Computer Science I Java	5
CS 132 **or**	C++ Data Structures **or**	
CS 145	Java 2	5
Engl 128	Research Writing: Science/Engineering/Business	5
Geog 123	Globalization	5
IT 282	Android Application Development	5
IT 283	iOS Application Development	5
P E 103 **or**	Total Physical Fitness **or**	
P E 160 **or**	Exercise and Nutrition **or**	
P E 165 **or**	Exercise and Health **or**	
P E 169	Fitness and Health	3
Psyc& 100	General Psychology	5
Tech 100	Careers for the New Millennium	2

Keyboarding/typing skills may be demonstrated by passing a three-minute typing test at 30 wpm with three or less errors.

Information Technology - Networking
Associate in Applied Science-Transfer Degree (AAS-T)
90 Credits

The degree program prepares students for entry-level employment in a variety of IT positions, such as PC repair technician, help-desk technician, technical support specialist, network technician, and network or computer systems administrator.

Students receive foundational training in a broad range of networking and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. Students also complete four courses on key networking topics: Introduction to Networking, Managing Cisco Routers and Switches, Managing a Microsoft Windows Network Environment, and Implementing and Securing Wireless Networks (or Implementing and Managing Microsoft Exchange). In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and complete a minimum of 120 IT related work experience.

Help-desk technicians troubleshoot hardware, software, and operating system problems reported by end users, often over the telephone. Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. Network technicians and administrators install, support, and maintain an organization's network infrastructure. They also troubleshoot problems and monitor the network to ensure that performance and availability standards are met. System administrators install, support, and maintain an organization's network servers and directory services infrastructure.

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Dept./No.	Course Title	Credits
General Education Requirements		
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/Business	5
Math& 107 **or**	Math in Society **or**	
Math 108 **or**	Contemporary Math for Information Technology **or**	
Math& 141 **or**	Precalculus I **or**	
Math& 142 **or**	Precalculus II **or**	
Math 147 **or**	Finite Math for Business and Social Science **or**	
Math& 148 **or**	Business Calculus **or**	
Math& 151 **or**	Calculus I **or**	
Math 256	Statistics for Business and Social Science	0-5

NOTE: Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.

Dept./No.	Course Title	Credits
Core Requirements		
*Keyboarding	30 wpm (3-minute typing test)	
IT 114 **or**	PC Repair Technician **or**	
	CompTIA A+ Certification	0-7
IT 131	Network Infrastructure Fundamentals	5
IT 133	Introduction to Telecom	(2)
IT 135	Introduction to Network Security	5
IT 141	Customer Service and Work Environment for IT Professionals	4
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 190	Linux Administration	5
Bus E 184 **or**	Internet and Basic Web Design **or**	
CS& 131 **or**	Computer Science I C++ **or**	
CS& 141 **or**	Computer Science I Java **or**	

Dept./No.	Course Title	Credits
IT 102 **or**	Programming I for Information Professionals **or**	
IT 121	Introduction to HTML	5
IT 201 **or**	Fundamental Database Design **or**	
IT 252	System Administration for Microsoft SQL Server	5
IT 210	Managing Cisco Routers and Switches	5
IT 240	Manage MS Windows (Current version) Network Environment	5
IT 245	Implementing and Administering Directory Services	5
IT 248	Implementing and Securing Microsoft Applications Services	5
IT 250	Implement and Manage MS Exchange (Current version)	5
IT 285	Implementing and Securing Wireless Networks	5
Practical Experience: Four credits from the following courses:		**4**
IT 175	Student Assistant	(0-3)
IT 178	Help Desk Work Experience	(0-8)
IT 181	Network Management Work Experience	(0-5)
Electives:		**0-7**

Any IT courses numbered 100 or higher in the college catalog. Elective credits are only required if a student submits a COMP TIA A+ certification in place of IT 114.

Keyboarding/typing skills may be demonstrated by passing a three-minute typing test at 30 wpm with three or less errors.

Information Technology - Systems
Associate in Applied Science-Transfer Degree (AAS-T)
90 Credits

This degree program prepares students for transfer to a university to complete a bachelor's degree in an IT-related field. In addition, the degree program prepares students for entry-level employment in a variety of IT positions, such as PC repair technician, 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 and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. Students complete three courses on key networking topics: Introduction to Networking, Managing Cisco Routers and Switches, and Implementing Firewalls. In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and complete a minimum of 120 hours of IT-related work experience.

Help-desk technicians troubleshoot hardware, software, and operating system problems end users report (usually via telephone.) Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. Network technicians and administrators install, support, and maintain an organization's network infrastructure. Students learn to troubleshoot problems and monitor the network to ensure the system meets performance and availability standards. System administrators install, support, and maintain an organization's network servers and directory services infrastructure.

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Dept./No.	Course Title	Credits
General Education Requirements		
Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
CS& 141	Computer Science I Java	5
Engl& 101	English Composition I	5

| Math& 142 | PreCalculus II **or** | |
| | Math& 148 or higher | 5 |

NOTE: Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements for the university to which they intend to transfer.

Core Requirements

*Keyboarding	30 wpm (3-minute typing test)	
IT 102	Programming I for Information Professionals	5
IT 114 **or**	PC Repair Technician **or**	
	CompTIA A+ Certification	0-7
IT 121	Introduction to HTML	5
IT 131	Networking Infrastructure Fundamentals	5
IT 141	Customer Service and Work Environment for IT Professionals	4
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 190	Linux Administration	5
IT 201	Fundamental Database Design	5
IT 203	Web Client Development	5
IT 210	Managing Cisco Routers and Switches	5
IT 220	Programming II for Information Professionals	5
IT 240 **or**	Manage MS Windows (Current version) Network Environment **or**	
IT 243	Advanced Linux Administration–TCP/IP	5
IT 245 **or**	Implementing and Administering Active Directory Services **or**	
IT 248	Implementing and Securing Microsoft App Services	5

Practical Experience: Four credits from the following courses: **4**

IT 175	Student Assistant	(0-2)
IT 176	Web Development Work Experience	(0-4)
IT 178	Help Desk Work Experience	(0-4)
IT 181	Network Management Work Experience	(0-4)

Electives: **0-7**
Select any course numbered 100 or higher that is not listed above to total 90 credits. Elective credits are only required if a CompTIA A+ certification is used in place of IT 114.

Keyboarding/typing skills may be demonstrated by passing a five-minute typing test at 30 wpm with five or less errors using the proper typing techniques.

Legal Administrative Assistant
Associate in Applied Arts Degree
97-102 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.

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Dept./No.	Course Title	Credits
Lifetime Fitness/ Wellness Activity	Any course under the AA degree Lifetime Fitness/Wellness/Activity area	1+
Bus& 201	Business Law	5
Bus E 100	Fundamentals of Computers	5
*Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
Bus E 109	Legal Terminology	3
#Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5

Bus E 121	Introduction to Legal Machine Transcription	5
Bus E 129	Intermediate Legal Transcription	5
#Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 177	Business Education Work Experience 1	3
Bus E 201	Legal Production Keyboarding	5
Bus E 235	Legal Office Procedures	4
#Bus E 250	Office Relations and Procedures	5
Bus E 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
Pols& 200	Introduction to Law	5
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS 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**	
Bus E 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)
Bus E 107 **and/or**	Typing Speed and Accuracy 1 **and/or**	
Bus E 108	Typing Speed and Accuracy 2	(4-8)
Bus E 111	Personal Computing	(3)
°Bus E 115	Professional Image Building	(1)
Bus E 162 **or**	Introduction to Excel **or**	
Bus E 163	Advanced Excel	(5)
Bus E 175	Instructor Assistant	(1-5)
Bus E 178-179	Business Education Work Experience 2-3	(2-10)
Bus E 184	Internet and Basic Web Design	(5)
Bus E 185	Introduction to Microsoft Access	(5)
Bus E 214	Introduction to Information Security	(5)
Bus E 255	Advanced Word	(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 Bus E 255 in place of Bus E 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 100T **or**	Computations for the Trades **or**	
Math 072 **or**	Elementary Algebra **or**	
	Eligible for Math 097, Intermediate Algebra	0-5
#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 Career/Technical Degrees	5
# Human Relations	Any course that satisfies the Human Relations Related Instructions requirements found on p. 55	5
Indus 102.1	Welding Survey 1	3
Mfg 101 **or**	Introduction to Machining and Manufacturing **or**	
AAM 101	Principles of Precision Machining 1	13
Mfg 102 **or**	Conventional Milling and Turning **or**	
AAM 102	Principles of Precision Machining 2	13
Mfg 103	Conventional and Computerized Numerical Control Machining Level 1	13
Mfg 104	Conventional and Computerized Numerical Control Machining Level 2	13
Mfg 105	Intermediate Computerized Numerical Control 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

To enhance the learner's preparation for future employment, we recommend the following:

Bus E 111	Personal Computing	(3)
D T 115	Geometric Dimensioning and Tolerancing	(4)

 # Satisfies related instruction 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
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Dept./No.	Course Title	Credits
Acomp 100T **or**	Computation for the Trades **or**	
Math 072 **or**	Elementary Algebra **or**	
	Eligible of Math 097, Elementary Algebra	0-5
Mfg 101 **or**	Introduction to Machining and Manufacturing **or**	
AAM 101	Principles of Precision Machining 1	13
Mfg 102 **or**	Conventional Milling and Turning **or**	
AAM 102	Principles of Precision Machining 2	13
Mfg 103	Conventional and CNC Machining Level 1	11
Mfg 115	Reading Engineering Drawings	2

Medical Office Assistant
Associate in Applied Arts Degree
106-116 Credits

This degree program provides students an opportunity to develop essential medical office 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.

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.

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Dept/No.	Course Title	Credits
AP 100	Survey of Anatomy and Physiology	5
Bus E 100	Fundamentals of Computers	5
*Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
#Bus E 110	Business Math Applications	5
Bus E 112 **or**	Beginning Word **or**	
Bus E 255	Advanced Word	5
Bus E 122	Introduction to Medical Transcription	5
#Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 142	Basic Concept of Healthcare Delivery Systems	5
Bus E 143	Medical/Legal Aspects of Health Information	5
Bus E 145	International Classification of Diseases Medical Coding	5
Bus E 150	Introduction to Windows	5
Bus E 177 **and**	Business Education Work Experience 1 **and**	3
Coop 171	Work Experience Seminar	1
Bus E 202	Medical Production Keyboarding	5
#Bus E 245	Medical Office Procedures	5
#Cmst 100 **or**	Fundamentals of Oral Communication **or**	
Cmst& 210 **or**	Interpersonal Communication **or**	
Cmst& 220	Public Speaking	5
Engl 108	Medical Terminology	2
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5

Options: Select from one of the following areas of concentration:

Front Office		**20**
#Bus 166	Human Relations and Work Readiness	(5)
Bus E 126	Pharmaceutical Basics	(2)
Bus E 127	Overview of Human Diseases for Non-Clinicians	(3)
Bus E 144	Computer Applications in Healthcare	(5)
Bus E 266	Inside Microsoft Office	(5)

	Third Party Reimbursement	**25**
Bus E 126	Pharmaceutical Basics	(2)
Bus E 127	Overview of Human Diseases for Non-clinicians	(3)
Bus E 144	Computer Applications in Healthcare	(5)
Bus E 146	Current Procedural Terminology Medical Coding	(5)
Bus E 246	Intermediate Medical Coding	(5)
Bus E 248	Healthcare Reimbursement Methodology	(5)

	Medical Transcription	**20**
Bus E 123	Intermediate Medical Transcription	(5)
Bus E 124	Advanced Medical Transcription	(5)
Bus E 126	Pharmaceutical Basics	(2)
Bus E 127	Overview of Human Diseases for Non-clinicians	(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	(5)
Bus E 107 **and/or** Bus E 108	Typing Speed and Accuracy 1 **and/or** Typing Speed and Accuracy 2	(2)
Bus E 111	Personal Computing	(3)
Bus E 115	Professional Image Building	(1)
Bus E 140	Records Management	(5)
Bus E 162 **or** Bus E 163	Introduction to Excel **or** Advanced Excel	(5)
Bus E 175	Instructor Assistant	(1-5)
Bus E 178-179	Business Education Work Experience 2-3	(2-10)
Bus E 214	Introduction to Information Security	(5)
Bus E 250	Office Relations and Procedures	(5)
Bus E 255	Advanced Word	(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 Assistant 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.

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Dept./No.	Course Title	Credits
Acct 110	Practical Financial Accounting 1	5
Bus 166	Human Relations and Work Readiness	5
Bus E 130	Business Correspondence	5
Bus E 245	Medical Office Procedures	5
Bus E 266	Inside Microsoft Office	5
Cmst& 210	Interpersonal Communication	5

To enhance the student's preparation for future employment, select 10 credits 10 from the following electives:

AP 100 **or** AP 102	Survey of Human Anatomy and Physiology **or** Bringing Anatomy and Physiology to Life	(5)
Bus E 100	Fundamentals of Computers	(5)
Bus E 110	Business Math Applications	(5)
Bus E 112	Beginning Word	(5)
Bus E 122	Introduction to Medical Transcription	(5)

Bus E 140	Records Management	(5)
Bus E 142	Basic Concepts of Healthcare Delivery Systems	(5)
Bus E 143	Medical/Legal Aspects of Health Information	(5)
Bus E 145	Intermediate Medical Coding	(5)
Bus E 146	Current Procedural Terminology Medical Coding	(5)
Bus E 150	Introduction to Windows	(5)
Bus E 162	Introduction to Excel	(5)
Bus E 185	Introduction to Microsoft Access	(5)
Bus E 214	Introduction to Information Security	(5)
Bus E 250	Office Relations and Procedures	(5)
Bus E 255	Advanced Word	(5)
Engl 108	Medical Terminology	(2)

Medical Transcriptionist
Certificate of Proficiency
44 Credits

This certificate program provides students an opportunity to develop essential medical transcription skills. After completing this program, students will be qualified to secure employment as a medical transcriptionist in an entry level 1 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 Education degree programs. Students may enter this program at the beginning of any quarter.

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Dept./No.	Course Title	Credits
*Keyboarding skill demonstrated at 70 wpm during a 5-minute typing test with 5 or less errors		
AP 100 **or** AP 102 **or** AP 103	Survey of Human Anatomy and Physiology **or** Bringing Anatomy and Physiology to Life **or** Essentials of Human Anatomy and Physiology 1	5
Bus E 100	Fundamentals of Computers	5
Bus E 112	Beginning Word	5
Bus E 122	Introduction to Medical Transcription	5
Bus E 123	Intermediate Medical Transcription	5
Bus E 124	Advanced Medical Transcription	5
Bus E 126	Pharmaceutical Basics	2
Bus E 245	Medical Office Procedures	5
Bus E 130 **or** Engl 105	Business Correspondence **or** Grammar and Usage	5
Engl 108	Medical Terminology	2

Electives:

†Bus E 101	Beginning Typing/Keyboarding	(5)
†Bus E 102	Intermediate Keyboarding	(5)
*Bus E 107	Typing Speed and Accuracy 1	(4)
*Bus E 108	Typing Speed and Accuracy 2	(4)
Bus E 111	Personal Computing	(3)
Bus E 115	Professional Image Building	(1)
Bus E 127	Overview of Human Diseases for Non-Clinicians	(3)
Bus E 130	Business Correspondence	(5)
Bus E 132	Business Communication Applications	(5)
Bus E 146	Current Procedural Terminology Medical Coding	(5)
Bus E 150	Introduction to Windows	(3)
Bus E 177 **and** Coop 171	Business Education Work Experience 1 **and** Work Experience Seminar	(5) (1)
Bus E 214	Introduction to Information Security	(5)
Bus E 255	Advanced Word	(5)
Bus E 266	Inside Microsoft Office	(5)
Bus E 145	Intermediate Medical Coding	(5)
Engl 105	Grammar and Usage	(5)

† Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

* Students unable to meet the minimum typing speed requirement for the certificate may take Bus E 107 and 108 to fulfill the typing test requirement.

Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as Bus E 255 in place of Bus E 112; Bus E 266 in place of Bus E 100.

An internship opportunity is available to interested students who choose to take Bus E 177 and Coop 171. Thirty hours of work equals one credit.

Natural Resources - Forestry
Associate in Applied Science Degree
124 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 these career/technical programs at the beginning of any quarter: Natural Resources with emphasis in Forestry Technology, and specialties in Natural Resources-GIS, Park Management, Water Quality, and Wildland Fire.

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.

Contact: Rob Sjogren, ext. 4582
              rsjogren@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 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Winter Quarter		
Natrs 114	Chainsaw Operation and Maintenance	1
Natrs 161	Wildlife Habitat Management	5
#Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photography Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
P E 113	Group Dynamics Activities	1
	(taken concurrently with Natrs 181)	
SECOND YEAR		
Fall Quarter		
GIS 192	GIS for Natural Resources	5
Natrs 205	Wildland Recreation	4
Natrs 285	Forest Protection	5
Natrs 292	Resource Sampling and Appraisal	8
Winter Quarter		

Natrs 210	Introduction to Soils	5
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5
Spring Quarter		
#Natrs 286	Natural Resources Business Principles	5
*Natrs 294.1, 294.2, 294.3 and 294.4	Natural Resources Internship 1-4	14

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)
GIS	Any GIS class	(2-5)
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)

* Complete NATRS 294.1, 294.2, 294.3 and 294.4 during summer quarter if needed.

 # 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
125 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.

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!

Contact: Rob Sjogren, ext. 4582   Sabah Jabbouri, ext. 4854
              rsjogren@greenriver.edu   sjabbouri@greenriver.edu

Dept./No	Course Title	Credits
As soon as possible, or mix into schedule:		
#Cmst& 220	Public Speaking	5
#Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
FIRST YEAR		
Fall Quarter		
GIS 121	Introduction to Geographic Information Systems	5
Natrs 100	Introduction to Natural Resources	5
#Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Winter Quarter		
GIS 260	Cartography-Based GIS	5
#Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
GIS 220	GIS Modules Analyst	5

Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
P E 113	Group Dynamics Activities	1
	(taken concurrently with NATRS 181)	

SECOND YEAR

Fall Quarter

GIS 192	GIS for Natural Resources	5
GIS 250	Data and Spatial Database Design	5
Natrs 285	Forest Protection	5
Natrs 292	Resource Sampling and Appraisal	8

Winter Quarter

GIS 202	GIS Fundamentals and Theory	5
GIS 291	GIS Project Planning	2
Natrs 290	Internship Seminar	1

Spring Quarter

| GIS 270 | GIS in the Field | 5 |
| Natrs 286 | Natural Resources Business Principles | 5 |

Capstone (spring and/or summer)

Natrs 294.1,		
294.2, 294.3 and	Natural Resources Internship 1-4	14
294.4		

To enhance the student's preparation for future employment, the following are recommended:

Any GIS		(1-8)
Any Natrs		(1-8)
Bus E 101	Beginning Typing/Keyboarding	(5)
Natrs 114	Chainsaw Operation and Maintenance	(1)
Geog 120	Introduction to Physical Geography	(5)
St Sk 110	College Success Strategies	(5)

 # Satisfies related instruction requirements.

Natural Resources - Park Management
Associate in Applied Science Degree
121 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 prerequisites as early as possible.

Contact: Rob Sjogren, ext. 4582
rsjogren@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 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5

Winter Quarter

Natrs 114	Chainsaw Operation and Maintenance	1
Natrs 161	Wildlife Habitat Management	5
#Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetlands Ecology	5

Spring Quarter

| Natrs 181 | Forest Navigation and Mapping | 8 |

Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
P E 113	Group Dynamics Activity	1
	(taken concurrently with Natrs 181)	

SECOND YEAR

Fall Quarter

Geol& 101	Introduction to Physical Geology	5
GIS 192	Geographic Information Systems	
	for Natural Resources	5
Natrs 205	Wildland Recreation	4
Natrs 285	Forest Protection	5

Winter Quarter

Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5
Soc& 101	Introduction to Sociology	5

Spring Quarter

#Natrs 286	Natural Resources Business Principles	5
*Natrs 294.1,		
294.2, 294.3	Natural Resources Internship 1-4	14
and 294.4		

To enhance the student's preparation for future employment, we recommend the following:

Avia 123	Aviation Weather	(5)
Geol 200	Geological Investigations of the National Parks	(5)
Geol& 208	Geology of the Pacific Northwest	(5)
GIS	Any GIS course	(2-5)
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 292	Resource Sampling and Appraisal	(8)
Natrs 297-299	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 294.1, 294.2, 294.3, 294.4 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
121 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!

Contact: Rob Sjogren, ext. 4582
rsjogren@greenriver.edu

Dept./No.	Course Title	Credits

FIRST YEAR

Summer Quarter
#Cmst& 220	Public Speaking	5
#Engl& 101	English Composition I	5

Fall Quarter
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Engl 128	Research Writing: Science/Engineering/Business	5

Winter Quarter
Natrs 161	Wildlife Habitat Management	5
#Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5

Spring Quarter
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photography Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
P E 113	Group Dynamics Activities	1
	(taken concurrently with NATRS 181)	

SECOND YEAR

Fall Quarter
GIS 192	GIS for Natural Resources	5
Natrs 205	Wildland Recreation	4
Natrs 272	Fish Identification and Habitat	5
Natrs 285	Forest Protection	5

Winter Quarter
Natrs 114	Chainsaw Operation and Maintenance	1
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5

Spring Quarter
Natrs 271	Stream and Wetland Restoration	5
#Natrs 286	Natural Resources Business Principles	5

Capstone
Natrs 294.1, 294.2, 294.3 and 294.4	Natural Resources Internship 1-4	14

To enhance the student's preparation for future employment, the following are recommended:
Any Course	Biology, Chemistry, and Geology	(5 ea)
Any Courses	GIS	(3-8)
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 292	Resource Sampling and Appraisal	(8)
Natrs 297-299	Independent Study-Natural Resources 4-6	(1-5)
St Sk 110	College Success Strategies	(5)

 # 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.*

Natural Resources - Wildland Fire
Associate in Applied Science Degree
118 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!

Contact: Rob Sjogren, ext. 4582
rsjogren@greenriver.edu

Dept./No.	Course Title	Credits

FIRST YEAR

Summer Quarter
#Engl& 101	English Composition I	5

Fall Quarter
Engl 128	Research Writing: Science/Engineering/Business	5
Natrs 100	Introduction to Natural Resources	5
#Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5

Winter Quarter
Natrs 114	Chainsaw Operation and Maintenance	1
Natrs 161	Wildlife Habitat Management	5
#Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5

Spring Quarter
Natrs 130	Wildland Firefighter Training I-100 & S-130/190	4
Natrs 134	Intermediate Wildland Fire Behavior S-290	3
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photography Interpretation and Remote Sensing	5
#P E 113	Group Dynamic Activities	1
	(taken concurrently with Natrs 181)	

Summer Quarter: Wildfire experience required

SECOND YEAR

Fall Quarter
#Cmst& 220	Public Speaking	5
GIS 192	GIS for Natural Resources	5
Natrs 285	Forest Protection	5

Winter Quarter
Natrs 131	Advanced Wildland Firefighter Training S-131	1
Natrs 132	Wildland Firefighter Crew Boss S-230	2
Natrs 133	Wildland Firefighter Engine Boss S-231	1
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5

Spring Quarter
Natrs 184	Shrub and Wildflower Identification	5
#Natrs 286	Natural Resources Business Principles	5

Capstone
Natrs 294.1, 294.2, 294.3, and 294.4	Natural Resources Internship	14

To enhance the student's preparation for future employment, the following are recommended:
Avia 123	Aviation Weather	(5)
Bus E 100	Fundamentals of Computers	(5)
Engr 106	Introduction to Engineering Problems	(3)
GIS	Any GIS course	(2-5)
Hl Ed 190	Standard First Aid/CPR	(3)
Natrs 162	Biology and Conservation of Birds	(3)
Natrs 205	Wildland Recreation	(4)
Natrs 198-199	Independent Study-Natural Resources 1-2	(1-5)

Natrs 292	Resource Sampling and Appraisal	(8)
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)

 # 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.*

Practical Nursing
Certificate
100 Credits

The certificate program prepares students 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 100-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 high school equivalency certificate is required, and a physical exam is required after entrance into the core program. A minimum grade point average of **2.5** or higher is required for completion of program. 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:

- AP 103 and 104, or Biol& 241 and Biol& 242 (10 credits);
- Completion of Math 070 or higher (not Technical Math)
- H Sci 150, Human Lifespan, Growth, & Development (5 credits) or Psyc& 200, Lifespan Psychology (5 credits)
- Nutr& 101, Nutrition (5 credits)
- Communication Studies (5 credits). Choose from Cmst& 210, &220, &230, or 238
- English Composition (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 the Career and Advising Center, at ext. 2639.

Upon successful completion of the required credits, the student will earn a certificate 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.

Contact: Byron Ford, ext. 2812   Mariena Mears, ext. 4654
                   bford@greenriver.edu   mmears@greenriver.edu

                   Susan Baker, ext. 4589
                   sbaker@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 102	Introduction to Clinical Pharmacology in Nursing	3
Nurse 104	Nursing 1 Fundamentals	6
Nurse 105	Community Lab 1	4
#Nurse 116	Nursing Issues and Delivery Systems	3
Winter Quarter		
Nurse 103	Drug Therapy and the Nursing Process	2
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
Summer Quarter		
#Nurse 112	Nursing 4	6
Nurse 113	Nursing 4 Community Lab 4	6
Nurse 114	Principles and Practice of Intravenous Therapy	2

Curriculum Requirements

Students must have a grade of 2.5 or higher in the following prerequisites/supporting courses:

AP 103 and 104 **or**	Essentials of Human Anatomy and Physiology 1 and 2 **or**	
Biol& 241 and 242	Human Anatomy and Physiology 1 and 2	10
#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 **or**	English Composition I **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Science **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
H Sci 150 **or**	Human Lifespan, Growth and Development **or**	
Psyc& 200	Lifespan Psychology	5
#Math 070	Pre-Algebra (Not Technical Math) or higher	5
Nutr& 101	Nutrition	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:

- DSHS Background Check
- Washington State Patrol clearance check
- Nelson Denny 8th Grade Reading level
- TB Skin test (two-step method)
- Hepatitis vaccination series
- 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
- Tetanus/Diphtheria within the last 10 years, or Tdap after 2004
- Uniform supplies: gait belt, dictionary, watch with second hand and white shoes

(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: Byron Ford, ext. 2812
bford@greenriver.edu

Information Session Sign Up: greenriver.edu/info-sessions

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

Occupational Therapy Assistant
Associate in Applied Science Degree
127 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 Community 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 – 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 2 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 2 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 March 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.

1. 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).

2. Students must earn a minimum GPA of 2.0 in all required courses.

3. Prerequisite courses for the OTA program are:
    *a. Anatomy and Physiology 103 or Biology &241 and
        Anatomy and Physiology 104 or Biology & 242
    b. English &101
    c. Health Science 150 or Psychology &200

 * Sequencing of all Anatomy and Physiology courses must be taken at the same institution.

4. Submission of a one page statement describing applicant's interest and knowledge in the field.

5. A minimum of 20 hours of work, volunteer, or job shadow experience in occupational therapy. All job shadowing needs to be documented on a 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 Community College.

Does the program transfer to four-year schools?
The classes 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.

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Lisa Finnsson, ext.4341
lfinnsson@greenriver.edu

Information Session Sign up: greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
First Quarter		
H Sci 102	Applied Anatomy	5
O T 100	Introduction to Occupational Therapy	3
O T 110	Fundamentals of OT as Health Care Providers	4
Second Quarter		
H Sci 104	Fundamentals of Gerontology	3
O T 114	Physical Disabilities 1	5
O T 112	Developmental Disabilities	5
Third Quarter		
O T 105	Clinical Seminar 1	2
O T 116	Physical Disabilities 2	5
O T 118	Psychosocial Dysfunction	4

| O T 120 | Professional Advocacy Experience | 1 |
| *O T 177 | Application of Occupational Therapy Co-op 1 | 1 |

Fourth Quarter

*O T 178	Application of Occupational Therapy Co-op 2	1
*O T 200	Therapeutic Activities 1	3
#O T 202	Ethics, Society and Professional Practice	3
O T 223	Therapeutic Practice in OT	5
O T 225	Clinical Seminar 2	1

Fifth Quarter

O T 230	Therapeutic Group Leadership	2
#*O T 235	Therapeutic Activities 2	3
O T 240	Therapeutic Adaptations	5
O T 245	Pre-Fieldwork Experience Seminar	2

Sixth Quarter

| O T 250 | Fieldwork Experience Seminar 1 | 1 |
| *O T 277 | Co-op Fieldwork Experience 1 | 11 |

Seventh Quarter

| #O T 251 | Fieldwork Experience Seminar 2 | 1 |
| *#O T 278 | Co-op Fieldwork Experience 2 | 11 |

Required Supporting Courses:

AP 103	Essentials of Human Anatomy and	
AP 104 **or**	Physiology 1 and 2 **or**	
Biol& 241 and		
Biol& 242	Human Anatomy and Physiology 1 and 2	10
Cmst& 220 **or**	Public Speaking **or**	
Cmst& 230	Small Group Communication	5
#Engl& 101	English Composition I	5
H Sci 150 **or**	Human Lifespan Growth and Development **or**	
Psyc& 200	Lifespan Psychology	5
#Math 070 or higher	Pre-Algebra	5
Psyc& 100	General Psychology	5

Select 5 credits from the following courses: **5**

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.)

| O T 194 | Special Topics-Occupational Therapy | (1-2) |
| O T 198 | Independent Study-Occupational Therapy | (1) |

 # Satisfies related instruction requirements.

* Clinical hours off campus during the day hours required.

Physical Therapist Assistant
Associate in Applied Science Degree
110-112 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 110-112 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 G.P.A. 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 instruction.greenriver.edu/PTA for the most current information about application requirements or register for an information session at greenriver.edu/infosessions.

The required prerequisites are as follows:

- Human Anatomy and Physiology 1 & 2
  The prerequisite requires 10 quarter-credits (or equivalent) of human anatomy and physiology with a lab. The minimum courses meeting this requirement at Green River are AP 103 and 104. Biol& 241 (AP I) and Biol& 242 (AP 2) also meet this prerequisite. These courses should be completed within seven 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.

- Speech/Communication
  The courses meeting this requirement at Green River include: Cmst& 210, Cmst& 220, Cmst& 230 or Cmst 238. Equivalent communication/speech courses with less than five quarter credits should be verified with the pre-PTA program advisor.

- English Composition
  This requirement may be completed by taking either English Composition I (Engl& 101 or equivalent transferable course). Students who complete an equivalent course of less than five quarter credits will not meet this requirement and subsequently be ineligible for graduation. English 126, 127, and 128 at Green River (or their equivalent) will also meet this requirement (five composition credits required).

- Math (choose 1 of 2 options)

  Option 1: Any college-level Math course (most math courses numbered 100 or above), or

  Option 2: Complete one of the following: Bus E 110, B A 145 or Acomp 100T and eligibility for Math 072 (Elementary Algebra) by COMPASS score or completion of Math 070 or higher with a grade of 2.5 or higher.

The required supporting course is as follows:

Human Development
This supporting course must be taken before completing the program. A student may fulfill this requirement with either H SCI 150, PSYC& 200, or an equivalent course. Students are advised to complete this course before entering the program, if possible. Please be advised that H SCI 150 may not transfer to another institution, and registration of PSYC& 200 may require successful completion of a General Psychology (PSYC& 100) and eligibility for ENLG& 101 beforehand.

Students who satisfy the above requirements will be selected based on academic preparation, COMPASS scores, GPA, and familiarity or experience with physical therapy or closely-related field requirements. Please access the website 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 a 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.

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Information Session Sign up: greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
FIRST YEAR		
Fall Quarter		
H Sci 102	Applied Anatomy	5
PTA 101	Introduction to Physical Therapy	3
#PTA 102	Therapeutic Interaction in Health Care	2
PTA 105	Patient Care Skills	3
PTA 151	Clinical Preparation	1
Winter Quarter		
PTA 110	Principles of Physical Therapy Agents 1	5
PTA 114	Tests and Measurements	2
PTA 130	Survey of Pathophysiology 1	3
Spring Quarter		
H Sci 101	Neuroscience	3
PTA 111	Principles of Physical Therapy Agents 2	6
PTA 113	Posture and Movement	4
PTA 131	Survey of Pathophysiology 2	2
SECOND YEAR		
Fall Quarter		
PTA 205	Functional Training	2
PTA 201	Issues in Health Care	3
PTA 210	Therapeutic Exercise	5
PTA 212	Acute Care	3
#PTA 251	Clinical Supervision 1	1
PTA 277	Clinical Affiliation 1	1
Winter Quarter		
PTA 211	Advanced Rehabilitation Procedures	6
PTA 213	Orthopedic Therapy	5
#PTA 252	Clinical Supervision 2	1
PTA 278	Clinical Affiliation 2	1
Spring Quarter		
#PTA 253	Clinical Supervision 3	1
PTA 279	Clinical Affiliation 3	7
PTA 280	Clinical Affiliation 4	7
Required Supporting Course/Prerequisites:		
#Acomp 100T **or**	Computation for the Trades **or**	
BA145 **or**	Business Computation **or**	
Bus E 110 **or**	Business Math Applications **or**	
Math	Any college-level Math class 100 or higher	
*AP 103 and 104 **or**	Essentials of Human Anatomy and Physiology 1 and 2 **or**	
Biol& 241 and 242	Human Anatomy and Physiology 1 and 2	10
#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 **or**	English Composition 1 **or**	
Engl 126 **or**	Writing: Humanities **or**	
Engl 127 **or**	Writing: Social Sciences **or**	
Engl 128	Research Writing: Science/Engineering/Business	5
H Sci 150 **or**	Human Lifespan, Growth and Development **or**	
Psyc& 200	Lifespan Psychology	5

Satisfies related instruction requirements.

*Central Washington University (CWU courses) ExSci 250 and ExSci 351 and Washington State University courses MvtSt 262 and MvtSt 380 will meet the AP 103 and AP 104 PTA degree requirement at Green River Community College.

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
Bus E 100 **or**	Fundamentals of Computers **or**	
Bus E 112 **or**	Beginning Word **or**	
Bus E 118 **or**	Basics for Online Education **or**	
Bus E 150 **or**	Introduction to Windows **or**	
Bus E 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& 107 **or**	Math in Society **or**	
Math& 141	Prealculus I	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	Wastewater 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
Bus E 100 **or**	Fundamentals of Computers **or**	
Bus E 112 **or**	Beginning Word **or**	
Bus E 118 **or**	Basics for Online Education **or**	
Bus E 150 **or**	Introduction to Windows **or**	
Bus E 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 100 or higher.

**Not required if eligible for Math 097 or higher.

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
Bio&l 100 **or**	Survey of Biology **or**	
Env S 204	Natural Science and the Environment	5
Bus E 100 **or**	Fundamentals of Computers **or**	
Bus E 112 **or**	Beginning Word **or**	
Bus E 118 **or**	Basics for Online Education **or**	
Bus E 150 **or**	Introduction to Windows **or**	
Bus E 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& 107 **or**	Math in Society **or**	
Math& 141	Precalculus I	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	Wastewater Cooperative Education	11
Wwt 180	Wastewater 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
Bus E 100 **or**	Fundamentals of Computers **or**	
Bus E 112 **or**	Beginning Word **or**	
Bus E 118 **or**	Basics for Online Education **or**	

Bus E 150 **or**	Introduction to Windows **or**	
Bus E 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
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 100 or above.

**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.

Contact: Scott Schreiber, ext. 4421   Jack Danielson, ext. 4252
sschreiber@greenriver.edu   jdanielson@greenriver.edu

Paul Mueller, ext. 2635
pmueller@greenriver.edu

Dept./No.	Course Title	Credits
First Year		
#Acomp 100T **or**	Computation for the Trades **or**	
	Eligible for Math 070 **or**	
	Completion of Math 062	0-5
#Cmst 100	Fundamentals of Oral Communication	5
#Engl 109	Writing for Trades and Career/Technical Degrees	5
Weld 141	Basic Arc Weld and Flame Cutting	13
Weld 142	Intermediate Welding	13
Weld 143	Advanced Arc Welding	13
Second Year		
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
#Human Relations	Any course that satisfies the Human Relations Related Instruction requirements found on p. 55	5

#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 & Flame
Certificate of Proficiency
26 Credits

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Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
Weld 141	Basic Arc Weld and Flame Cutting	13
Weld 142	Intermediate Welding	13

Intermediate Arc & Flame
Certificate of Proficiency
26 Credits

Contact: Scott Schreiber, ext. 4421   Jack Danielson, ext. 4257
sschreiber@greenriver.edu   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

Contact: Scott Schreiber, ext. 4421   Jack Danielson, ext. 4257
sschreiber@greenriver.edu   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 career 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 Green River.

   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 including the last quarter "in residence," at Green River. Online courses are recognized as part of the 24 credits.

4. Remember that no more that 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. 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

       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 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. 25 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 career/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

       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

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 the 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 the high school equivalency certificate test-takers intend to go on 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 Community College offers a complete schedule of courses that meet the requirements for a high school diploma as defined by the Office of the State Superintendent of Public Instruction and the Washington Board of Education. Students complete the required classes to earn a Washington state diploma. Students can pursue high school credits in one of two ways:

- Students earn credits at Green River and transfer them back to their high school, for a high school awarded diploma. Contact your high school counselor for approved courses.

- Students earn credits at Green River and apply those credits along with their high school credits to a Green River-awarded high school diploma.

See the following page for a complete schedule of courses that meet the requirements for a high school diploma.

The Green River high school diploma program is an alternative way to complete high school. Although it is designed for adult students 19 years and older, students 16-18 can participate. Successful students meet state and Green River requirements for graduation and are issued an official State of Washington high school diploma. Students must earn a minimum of one credit at Green River to earn a high school diploma. Reduced tuition may be available for those students 19 years or older.

Application Process

Prospective students should follow the steps outlined below:

(International students should apply for High School Completion through the International Programs application process.)

1. Submit a completed Green River application for admission to Admissions in the LSC, (253) 333-2500. ($20 application fee).

2. If you are 16, 17, or 18 years of age, submit a completed High School Release form from the high school you would normally be attending. This is a Green River form that high schools typically have. A letter from school district personnel on official school stationary can be substituted.

3. Obtain and submit "official" copies of all previous high school/college transcripts. Submit sealed transcripts to:

   Green River Community College
   Enrollment Services/HSC
   12401 SE 320th Street
   Auburn, WA 98092-3699

4. Complete Green River's assessment (COMPASS). Green River's COMPASS must be taken prior to enrolling in classes. Call (253) 833-9111, ext. 2650 for a recorded message regarding testing hours. There is a fee of $20.00 for the COMPASS and picture identification is required.

5. Depending on a student's assessment/placement scores, college level classes may be taken to fulfill both high school and college degree requirements at the same time.

There is more information on the Green River Community College website at greenriver.edu/hsc.

Registration

To complete the registration process, prospective students should meet with a Green River Educational Planner to discuss course selection based on their official transcript evaluation completed by Enrollment Services. Call ext. 2641 for an appointment to speak with an advisor.

High School Diploma Course Articulation

The high school diploma course articulation policy was created to ensure that students are not penalized by the differences in specific requirements imposed by individual districts/campuses within the general guidelines of the Washington state High School Diploma. Its intent is to provide a pathway for acceptance of credit between Washington state high schools and Green River Community College and to limit the need for duplication of credits previously earned.

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 the high school as needed. This is in accordance with OSPI guidelines for acceptance of credit and Washington state High School Diploma requirements.

High School Diploma for Community and Technical College Completion

(See schedule of courses chart on page 105)

The Washington state requirements for a high school diploma have changed over the years. The graduation requirements for each student are determined by the year that they entered ninth grade. Students will need to pay careful attention to the requirements for their particular situation and consult their advisor to ensure they are taking the correct classes to complete their degree.

Green River Community College will grant a high school diploma if requested by a Running Start student or a student over 21 years of age who completes any associates degree.

Washington state high school graduation requirements should be confirmed with the Office of Superintendent of Public Instruction (OSPI) and/or Board of Education. Additional requirements determined by the State Board for Community and Technical Colleges may also apply. Generally, high school graduation requirements are categorized in four areas:

1. Completing a minimum number of credits in core content areas (outlined on previous page).

2. Complete a Culminating Project (Green River has integrated this into several courses).

3. Complete a High School and Beyond Plan (Green River has integrated this into several courses). k12.wa.us/GraduationRequirements/ Requirement-HighSchoolBeyond.aspx

4. 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)

- If a student previously passed the WASL or the HSPE, they do not need to take the EOC.

- 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.

If the student did not pass the math WASL/HSPE or an alternative assessment, they will need additional math credits, as outlined below:

Class of 2008	Classes of 2009 to 2012
Earn 5 more math credits, at Math 097 or higher.	Earn 10 more math credits, 5 of which are at Math 097 or higher.

Green River currently participates in one approved CAA Option – AP and College Admissions Test Scores. This option allows students who meet state-determined minimum test area scores to substitute those scores for the HSPE test.

Washington state resident students must take the HSPE once after 10th grade before accessing a CAA Option.

Out of state/country transfers or students from private schools within the state do not need to take the HSPE first. To access this Option, students will need to complete a score verification form. Speak with an advisor to help arrange this.

Transfer students from out of state or out of country who transfer in during their junior or senior year may:

a) 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, or

b) Use any of the CAA Options without first taking the WASL/HSPE.

The following table indicates the lowest College Admissions Test Scores that will meet the CAA Option:

	SAT	ACT
Math 1	390	16
Math 2	400	17
Reading	350	13
Writing	380	15 *

Note: *To satisfy the requirement for writing, the student must take the ACT plus writing.

The following AP tests can substitute for ACT/SAT scores **if an AP score of 3 or higher is earned:**

Math	Calculus or Statistics examination
Reading	English Literature and Composition, Macroeconomics, Microeconomics, Psychology, United States History, World History, United States Government and Politics or Comparative Government and Politics examination
Writing	English Language and Composition examination

*Minimum Washington state High School Requirements	High School Credits (1 HS credit = 5 Green River credits)	Green River Community 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 **Writing: Engl** 081 or 100, &101, 126, 127, 128, 109, &236, &237, 239 **Communications: Cmst** 100 or higher	15-20*
Math	2-3*	**Math** with 5 of those credits at Math 097 or higher.	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; **Geol**&101, 107; **IDS** 101, 102, 103; **Ocea**&101; or **Phys**&110, &114, &115, &116	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, **Hist&** 136, **Hist&** 137, **Hist** 220 (5 credits each)	5
Civics and Government	0.5	Select 5 credits from the following: **Hsc** 025 (5 credits) or **Pols**& 202 (5 credits)	3
Washington State History **	0.5	Select 5 credits from the following: **Anth& 210, 211, &216, Hist 024 or Hist& 214**	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	3
Contemporary World History, Geography, and Problems	1	Select 5 credits from the following: **Ames** 100; **Econ** 100; **Geog&** 200, 201; **Hist** 103, 231, 250; **Phil** 102; **Pols&** 101, &203, &204; **or Soc&** 101 (5 credits each)	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. <u>List A:</u> Health -**Hl Ed** 150; **P E** 101, 102, 103, 111, 131, 149, 160, 165, 169 <u>List B:</u> 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, 193, 201, 202, 207, 210, 211, 212, 215, 216, 224, 231, 234, 236, 251, 253	10
Occupational Education	1	5 credits from any career/technical course with the following prefixes: **Aam, Acct; Abody; Atech; Avia; B A; Bus; Bus E; Carp; Crpt; CJ; CS; D T; Eced, Educ; Engr; GIS; H Hsc, H Sci; Indus; I E; IT; Journ; Mfg; Natrs; Nurse; O T; Photo; PTA; R Est; Tech; Wwt; Wst; Wtech; Weld; or Econ** &201, &202	5
Arts	1	5 credits in any fine arts or performing arts course with the following prefixes: **Art; Dance; Drma; Musc; Photo**	5
Culminating Project and Educational Plan		**Hsc** 040 **or Engr** 100 **or Tech** 100 **or** other alternative approved by the High School Completion committee. **NOTE:** Any of the courses above may also count as an elective if not used to satisfy any other credit requirement.	
Electives	5 or 4 *	**20 - 25** credits, as needed to total of **95-100** credits. Any Green River credit, except **BASIC** or **ESOL**.	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.
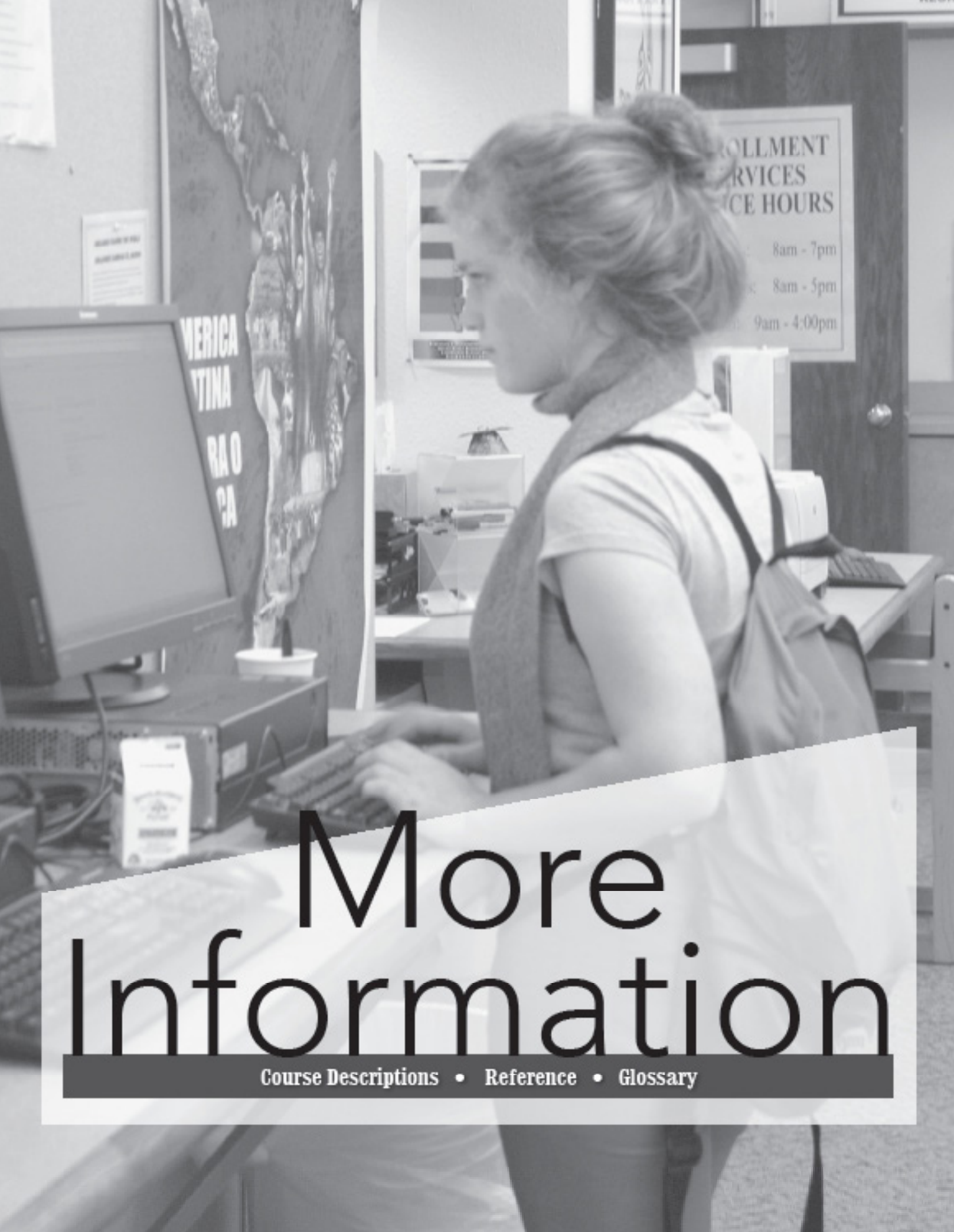
NOTES

More Information

Course Descriptions • Reference • Glossary

This section includes a brief description of each credit class offered on a regular basis at Green River Community 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 and course description. Prerequisite and academic transfer distributions are also designated where appropriate. Common course numbers are identified by an "&" at the end of the department abbreviation.

Courses number 100-299 are designated for Green River Community 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 of other colleges and universities. The 300 and 400 series are for third- and fourth-year students (limited to Information Technology Bachelor of Applied Science degree 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 availble online at greenriver.edu/catalog/courses/default.aspx.

Accounting (ACCT)

ACCT 110 (5)
Practical Financial Accounting 1
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 include journals, ledgers, worksheets, adjusting entries and financial statement preparation. Includes a computerized general ledger application. *PREREQUISITE: Eligible for READ 104 or instructor's permission.*

ACCT 111 (5)
Practical Financial Accounting 2
A continuation of ACCT 110 with an emphasis on generally-accepted accounting principles. Topics include special journals, receivables, payables, bad debts, interest, recording and discounting of notes, inventories, short-term investments, cash handling procedures, internal accounting controls, and intangible assets. Includes computerized accounting applications. *PREREQUISITE: ACCT 110 with a grade of 2.0 or higher; or instructor's permission.*

ACCT 112 (5)
QuickBooks for Accounting
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 BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

ACCT 113 (5)
Practical Accounting
A continuation of ACCT 111. The last in the financial accounting series for the Associate in Applied Arts in Accounting. Topics include accounting for merchandise inventory, accounting for property, plant and equipment, partnerships and corporations, bonds payable, the statement of cash flows, financial statement analysis and manufacturing accounting. Includes 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 (5)
Individual Taxation
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 (5)
Payroll Accounting
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 130.1 (1)
QuickBooks: Introduction and Customer Transaction
Introduction to the types of companies that use QuickBooks Pro. Includes basic accounting practices and basic file management operations. Covers QuickBooks transactions, the customer center and service Items. Students create invoices, receive payments, enter sales receipts, make deposits, and create statements and customer-related reports. *RECOMMENDED: Keyboarding skills.*

ACCT 130.2 (1)
QuickBooks: Vendor Transactions and Banking
Introduces vendor transactions. Includes working with bills, entering and making changes to vendor information, paying bills, writing checks, and vendor-related and profit/loss reports. Covers the banking area of the home page, creates a bank account, edits accounts in the chart of accounts, and QuickBooks banking features.

ACCT 130.3 (1)
QuickBooks: Create a Company and Inventory
Introduces company creation. Deals with choosing a start date, the default chart of accounts and customizing a company file. Includes file management, subaccounts, editing QuickBooks preferences, entering opening balances, and recording historical transactions. Covers balance sheet reports, QuickBooks inventory features, creating purchase orders, sales tax, the effects of selling and receiving items on the inventory, and inventory management reports.

ACCT 130.4 (1)
QuickBooks: Payroll and Balance Sheet
Uses QuickBooks for payroll and working with balance sheet accounts. Introduces QuickBooks payroll, including creating employee lists, creating paychecks and pay stubs, and passing billable time on to customers. Includes payroll liabilities, such as sales and payroll taxes, and payroll reports and forms. Covers other current assets, fixed assets, long term liabilities, and equity.

ACCT 130.5 (1)
QuickBooks: Estimates, Job Costing and Time
Includes setting up, managing, applying classes to transactions, and running a profit and loss by class report. Includes job estimates and customer invoicing in stages or for the entire amount. Covers time tracking, preset reports to review job profitability, create journal entries, customize reports and graphs, create a custom invoice template, and work with the layout designer.

ACCT 175 (1-5)
Accounting Instructor Aide
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 (5)
Principles of Accounting I
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 (5)
Principles of Accounting II
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. RECOMMENDED: BUS& 101 and computer spreadsheet skills.*

ACCT& 203 (5)
Principles of Accounting III
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 and MATH 147; and ACCT& 202 with a grade of 2.0 or higher; or instructor's permission. RECOMMENDED: ECON& 202 and MATH 147 prior to enrolling in this course and computer spreadsheet skills.*

Aerospace and Advanced Manufacturing (AAM)

AAM 101   (13)
Principles of Precision Machining 1
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: Eligible for MATH 072, READ 104 and ENGL 081; or instructor's permission.*

AAM 102   (13)
Principles of Precision Machining 2
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: Eligible for MATH 072, READ 104 and ENGL 081; or instructor's permission.*

AAM 103   (13)
Machine Maintenance 1
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 acquires the skills to design and interpret industrial prints and component schematics. Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE: Eligible for MATH 072, READ 104 and ENGL 081; or instructor's permission.*

AAM 104   (13)
Machine Maintenance 2
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 MATH 072, READ 104 and ENGL 081; or instructor's permission.*

AAM 105   (7)
Quality Assurance 1
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 MATH 072, READ 104 and ENGL 081; or instructor's permission.*

AAM 106   (7)
Quality Assurance 2
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 MATH 072, READ 104; and ENGL 081; or instructor's permission.*

AAM 107   (7)
Inspection 1
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 MATH 072, READ 104 and ENGL 081; or instructor's permission.*

AAM 108   (7)
Inspection 2
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 determine discrepancies with Co-ordinate Measuring Machines (CMM). Basic computer skills are highly recommended: Windows, Internet and Email. *PREREQUISITE: Eligible for MATH 072, READ 104 and ENGL 081; or instructor's permission.*

American Minority and Ethnic Studies (AMES)

AMES 100   (5)
Introduction to American Minority and Ethnic Studies
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 100. Satisfies a social science and the diversity course requirements for AA degree.*

AMES 150   (5)
Race and Ethnicity in the Pacific
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 100 or instructor's permission. Satisfies a social science and the diversity course requirements for AA degree.*

AMES 194   (1-5)
Special Topics-American Minority and Ethnic Studies
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 100 or instructor's permission.*

AMES 211   (5)
Nuu-Chah-Nulth Indians
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 degree.*

AMES 299   (1-5)
Independent Study-American Minority and Ethnic Studies
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.*

Anatomy and Physiology (AP)

AP 100   (5)
Survey of Human Anatomy and Physiology
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 degree.*

AP 102   (5)
Bringing Anatomy and Physiology to Life
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 degree.

AP 103 (5)
Essentials of Human Anatomy and Physiology 1
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 degree.*

AP 104 (5)
Essentials of Human Anatomy and Physiology 2
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 or requirement for AA degree.*

AP 210 (1)
Cadaver Anatomy
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 degree.*

Anthropology (ANTH)

ANTH& 100 (5)
Survey of Anthropology
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

ANTH 194 (1-5)
Special Topics-Anthropology 1
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 100 or instructor's permission.*

ANTH& 204 (5)
Archaeology
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 degree.*

ANTH& 205 (5)
Biological Anthropology
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, BIOL& 211, or instructor's permission. Eligible for ENGL& 101 or instructor's permission. Satisfies a natural science or social science requirement for AA degree.*

ANTH& 206 (5)
Cultural Anthropology
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, as well as ethnographic studies. *PREREQUISITE: Eligible for ENGL& 101 or instructor's permission. Satisfies a social science and the diversity course requirements for AA degree.*

ANTH& 207 (5)
Linguistic Anthropology
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 degree.*

ANTH& 210 (5)
Indians of North America
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 degree.*

ANTH 211 (5)
Nuu-Chah-Nulth-Indians
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 degree.

ANTH& 216 (5)
Northwest Coast Indians
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 degree.*

ANTH& 234 (5)
Religion and Culture
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 degree.*

ANTH& 235 (5)
Cross-Cultural Medicine
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 degree.*

ANTH& 236 (5)
Forensic Anthropology
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 degree.*

ANTH 273 (1-10)
Field Archeology
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 degree.*

ANTH 294 (1-5)
Special Topics-Anthropology 2
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 298-299 (1-5)
Independent Study-Anthropology 1-2
Allows student to pursue a special interest in anthropology under the direction of an instructor. *PREREQUISITE: Instructor's permission.*

Art (ART)

ART& 100 (5)
Art Appreciation
Introduces the basic elements and principles of art and the media with which artists create. *Satisfies a humanities/fine arts/ English requirement for AA degree.*

ART 105 (5)
Beginning Drawing
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/ fine arts/English requirement for AA degree.*

ART 106 (5)
Intermediate Drawing
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/ fine arts/English requirement for AA degree.*

ART 107 (5)
Advanced Drawing
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/fine arts/English requirement for AA degree.*

ART 109 (5)
Beginning Design
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/fine arts/English requirement for AA degree.*

ART 110 (5)
Intermediate Design and Color
Continues the study of two-dimensional design through the exploration of color. Teaches color relationships, theories, application in various media, and the expressive impact of color. Uses computers as the primary media in visual problem solving. *PREREQUISITE: ART 109 or instructor's permission. Satisfies a humanities/fine arts/ English requirement for AA degree.*

ART 111 (5)
Painting 1
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/fine arts/English requirement for AA degree.*

ART 112 (5)
Painting 2
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/fine arts/ English requirement for AA degree.*

ART 113 (5)
Painting 3
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/fine arts/ English requirement for AA degree.*

ART 114 (3-5)
Pottery 1
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/fine arts/English requirement for AA degree.*

ART 115 (3-5)
Pottery 2
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/fine arts/English requirement for AA degree.*

ART 119 (5)
3-Dimensional Design
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/fine arts/English requirement for AA degree.*

ART 120 (5)
Introduction to Graphic Design
Introduces the principles of visual communication for print (publication) and web (the Internet). Students use the computer to explore graphic design concepts through the study of color, form, typography, and composition. Students integrate language and communicate ideas through text and imagery. *PREREQUISITE: ART 109 or concurrent enrollment. Satisfies a humanities/fine arts/English requirement for AA degree.*

ART 122 (5)
Visual Concepts of Web Design
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. *RECOMMEND: ART 110 and/or ART 120. PREREQUISITE: ART 109.*

ART 130 (3)
Watercolor Painting
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/fine arts/English requirement for AA degree.*

ART 133 (3)
Portrait Drawing
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/fine arts/English requirement for AA degree.*

ART 135 (3)
Introduction to Screen Printing
Introduces the traditional and contemporary concepts and techniques of screen printing. *Satisfies a humanities/fine arts/English requirement for AA degree.*

ART 150 (3)
Literary/Art Journal Design
Leads students through the process of creating a student-centered literary and art journal for Green River Community College. Assigns students with specific tasks and in charge of all elements in the production of a journal of student fiction, poetry, artwork and photography.

ART 177-179 (1-5)
Art Work Experience 1-3
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 (3)
The Artist's Portfolio
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 (1-5)
Special Topics-Art
Study of special subject-matter that is not part of the regular art curriculum. Course content varies each time it is offered.

ART 199 (1-5)
Independent Study-Design
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 (5)
History of Art 1
Study of the development of visual art from the Prehistoric Period to the Gothic Period of Western Civilization. *Satisfies a humanities/fine arts/English requirement for AA degree.*

ART 213 (5)
History of Art 2
Study of the development of visual art from the Gothic Period to the beginning of the Romantic Period. *Satisfies a humanities/fine arts/English requirement for AA degree.*

ART 214 (5)
History of Art 3
Study of the development of visual art from the Romantic Period up to and including contemporary art. *Satisfies a humanities/fine arts/English requirement for AA degree.*

ART 219 (5)
Advanced 3-Dimensional Design
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/fine arts/English requirement for AA degree.*

ART 251 (5)
Ceramics 1
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 115; and ART 105 or 109; or instructor's permission. Satisfies a humanities/fine arts/English requirements for AA degree.*

ART 252 (5)
Ceramics 2
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/fine arts/English requirement for AA degree.*

ART 253 (5)
Ceramics 3
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/fine arts/English requirement for AA degree.*

ART 255 (5)
Advanced Painting 1
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/fine arts/English requirement for AA degree.*

ART 256 (5)
Advanced Painting 2
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/fine arts/English requirement for AA degree.*

ART 257 (5)
Advanced Painting 3
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/fine arts/English requirement for AA degree.*

ART 275-277 (1-5)
Independent Study-Ceramics 1-3
Emphasizes the development of an individual approach to art-making. Students submit proposals with project descriptions. Assesses students development and progress through faculty visits. *PREREQUISITE: Instructor's permission.*

ART 294 (1-5)
Independent Study-Painting 1
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 295 (1-5)
Independent Study-Painting 2
Continuation of ART 294. 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 296 (1-5)
Independent Study-Painting 3
Continuation of ART 295. 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 (1-5)
Independent Study-Advanced Drawing 1
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.*

ART 298 (1-5)
Independent Study-Advanced Drawing 2
Continuation of ART 297. 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.*

ART 299 (1-5)
Independent Study-Advanced Drawing 3
Continuation of ART 298. 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 (5)
Survey of Astronomy
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 degree.*

ASTR& 101 (5)
Introduction to Astronomy
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 degree.*

Auto Body Technology (ABODY)

ABODY 051 (4)
Repair and Painting
Introduces auto body repair and painting. Covers current industry safety practices, hazardous material practices, and various skills including metal straightening, spot and complete repainting. Serves as additional practice for experienced auto body students. *PREREQUISITE: Instructor's permission.*

ABODY 052 (1-13)
Summer Repair and Painting
Introduces auto body repair and painting. Covers current industry safety practices, hazardous material practices, and various skills including metal straightening, spot and complete repainting. Serves as additional practice for experienced auto body students. *PREREQUISITE: Instructor's permission.*

ABODY 060-062 (1-7)
Fundamental Auto Body Repair and Painting 1-3
Presents fundamental principles of basic, non-structural auto body repair and painting to high school students. Course content includes safety, metal straightening and filling, panel replacement and adjustment, welding, and preparation for paint and painting. Workplace ethics including attendance, punctuality, efficiency, and good housekeeping are integral part to instruction. Credits earned in this course at 3.0 or higher articulate directly to the Green River Auto Body Technology program. *PREREQUISITE: High school permission.*

ABODY 100 (1)
Conduct/Safety/Equipment
A self-paced course presenting fundamental principles and terminology of auto body conduct/safety and equipment. Hazardous materials, workplace ethics, leadership, human relation fundamentals, cultural diversity, attendance, punctuality and good housekeeping as applied to the industry are integral to instruction in all applicable situations. *PREREQUISITE: Instructor's permission, and concurrent enrollment in ABODY 180.*

ABODY 102 (3)
Introduction to Auto Metal Fabrication
Covers skills using various tools, equipment and processes of the automotive fabrication industry. Emphasizes measuring, welding, cutting, shaping and constructing auto parts of other various projects. This is a beginners course where students are introduced to basic skills. *PREREQUISITE: Instructor's permission.*

ABODY 103 (3)
Introduction to Professional Auto Detailing
Classroom and hands-on instruction in the detailing process. Introduce students through a general step-by-step process to the procedures of safety and professionally cleaning, polishing and waxing the entire vehicle both by hand and with power tools. Centers instruction on detailing for the entry level professional detailer, collision repair detailer, and the do-it-yourselfer.

ABODY 104 (1-14)
Non-Structural Repair
A hands-on course supplemented with independent study and group lecture presenting fundamental principles and terminology of auto body non-structural analysis and damage repair. Includes preparation, metal finishing, body filling, movable glass and hardware, outer panel repairs and replacement, adjustments, and welding. Hazardous materials, workplace ethics, leadership, human relation fundamentals, cultural diversity, attendance, punctuality, and good housekeeping are integral to instruction in all applicable situations. *PREREQUISITE: Instructor's permission and concurrent enrollment in any one of ABODY 180, 181, 182, 183, and 184.*

ABODY 105 (1-14)
Structural Damage Repair
A hands-on course supplemented with independent study and group lecture presenting fundamental principles and terminology of auto body structural analysis and damage repair. Includes unibody inspection, measurement and repair, frame inspection and repair, structural welding, and fixed glass damage analysis and repair. See instructor for current list of course competencies. *PREREQUISITE: Instructor's permission and concurrent enrollment in any one of ABODY 180, 181, 182, 183, and 184.*

ABODY 106 (1-15)
Mechanical and Electrical Repair
A hands-on course supplemented with independent study and group lecture presenting fundamental principles and terminology of auto body mechanical and electrical components, suspension, steering, electrical, brakes, heating, and air conditioning, cooling systems, drive train, fuel, intake, exhaust and restraint systems. See instructor for current list of course competencies. *PREREQUISITE: Instructor's permission and concurrent enrollment in any one of ABODY 180, 181, 182, 183, and 184.*

ABODY 107 (1-2)
Plastics and Adhesives
A hands-on course supplemented with independent study and group lecture presenting fundamental principles and terminology of auto body plastics and adhesives including identification of plastics to be repaired, plastics repair procedures, rigid and flexible plastics, fiberglass, exterior and interior plastics repair and refinishing. See instructor for current list of course competencies. *PREREQUISITE: Instructor's permission and concurrent enrollment in any one of ABODY 180, 181, 182, 183, and 184.*

ABODY 108 (1-20)
Painting and Refinishing
A hands-on course supplemented with independent study and group lecture presenting fundamental principles and terminology of auto body painting and refinishing including surface preparation, and spray gun operation, paint mixing, matching and applying, solving paint application problems, finish defects causes and cures, safety precautions and miscellaneous analysis and repair. See instructor for current list of course competencies. *PREREQUISITE: Instructor's permission and concurrent enrollment in any one of ABODY 180, 181, 182, 183, and 184.*

ABODY 109 (1-10)
Special Shop Practice
A capstone hands-on course that allows students to refine their skills in the competencies learned in non-structural repair, structural damage repair, mechanical and electrical repair, plastics and adhesives, and painting and refinishing. *PREREQUISITE: Instructor's permission.*

ABODY 110 (3)
Estimating for Collision Repair
Focuses on the process of evaluating collision damaged vehicles and generating repair estimates. Introduces students to modern vehicle designs, including frame and unibody construction. Covers damage diagnosis and the effects if collision on vehicle systems. Emphasizes the generation of organized, competitive, and efficient damage reports. Course introduces students to computerized estimating.

ABODY 111 (3)
Collision Shop Estimator
As a collision damage estimator, students draw on and expand the skills learned in ABODY 110. Students serve as the shop estimator and parts manager for customer projects of the auto body program. In addition to refining their collision estimating skills, students focus on customer service, parts ordering, tracking, and documentation. Emphasizes customer service, generation of organized, fair and competitive damage reports, efficient parts procurement and documentation, and ethical collision repair practices. *PREREQUISITE: ABODY 110 and instructor's permission.*

ABODY 177-179 (1-12)
Auto Body Work Experience 1-3
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.*

ABODY 180-184 (1)
Industry Leadership 1-5
Enables auto body students to engage in personal development and leadership activities outside of their regular auto body course work. In addition to class meetings, student participation in the Green River chapter of Skills USA/VICA, other leadership clubs, and activities, provides students with opportunities for professional and personal growth.

ABODY 194 (1-13)
Special Topics-Auto Body
Students study and train to meet established local needs in auto body repair industry. Supplemental to classes currently offered. *PREREQUISITE: Instructor's permission.*

Automotive Technology (ATECH)

ATECH 108.1 (4)
State Emission Control Specialist Phase I
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 108.3   **(2)**
Emissions Recertification
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   **(2)**
Shop Procedures
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   **(1-14)**
Electrical and Electronics Systems
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   **(1-14)**
Engine Performance
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   **(1-3)**
Engine Repair
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   **(1-8)**
Automatic Transmission and Transaxle
Covers theory, application, diagnosis and repair of fluid power, hydraulics, power transmission, and final drive units as applied to automatic transmissions and trans-axles. Emphasizes development of a positive attitude toward work ethic, cultural and gender diversity, personal and workplace safety, and hazardous materials handling and disposal. *PREREQUISITE: ATECH 110 and instructor's permission. Eligible for READ 104.*

ATECH 115   **(1-6)**
Manual Drive Trains and Axles
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   **(1-6)**
Suspension and Steering
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 work place safety, and hazardous materials handling and disposal. *PREREQUISITE: ATECH 110 and instructor's permission. Eligible for READ 104.*

ATECH 117   **(1-7)**
Brakes
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   **(1-6)**
Heating and Air Conditioning
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   **(1-12)**
Special Shop Practice
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 150-154   **(1)**
Automotive Leadership Skills 1-5
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   **(1-13)**
Auto Work Experience
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   **(1-13)**
Special Topics
Provides training to meet established local needs in automotive repair industry, supplemental to classes currently offered. *PREREQUISITE: Instructor's permission.*

Aviation (AVIA)

AVIA 101   **(5)**
Aviation Fundamentals
Covers basic aviation principles, procedures and knowledge that professionals in the Aviation industry use routinely to operate aircraft, provide air traffic control services and manage flight operations. Topics include use of aviation publications and aeronautical charts, flight planning including aeronautical calculations, airspace and navigation planning, weight and balance planning, aircraft performance planning, and aircraft systems operations.

AVIA 103   **(5)**
Aviation History and Careers
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 110   **(5)**
Airline Operation
Covers operation of large U.S. and international airlines. Includes setting passenger fares and cargo rates, regulations, marketing, labor, responding to competition, scheduling, reservations, dispatch and aircraft selection. Also includes discussion of aviation careers.

AVIA 111   **(5)**
Private Pilot Ground School
Includes aerodynamics, navigation, weather, communications, regulations, flight physiology, weight balance, and other subjects preparatory to the FAA Private Pilot written exam.

AVIA 112   (5)
Aircraft Systems
Covers general aviation and commercial aircraft systems, navigation systems and flight deck technologies currently in use in general aviation and commercial aircraft.

AVIA 121   (2)
Basic Weather Theory
Covers topics necessary to become National Weather Service certified observer. Topics include the understanding of basic weather processes, geographical weather patterns, and the causes of hazardous weather around the planet, such as thunderstorms, wind shear, and severe icing conditions. Students learn the general circulation pattern of wind, temperature and pressure differences around the planet.

AVIA 123   (5)
Aviation Weather
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 127   (1)
Basic Weather Reports
Students gain a fundamental knowledge of weather observation and forecasting techniques and instruments. Students solve special aviation problems, such as windshear and micro-burst detection. Covers Terminal Aerodrome Forecast/ Aviation Routine Weather.

AVIA 128   (3)
Basic Weather Observation
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 132   (2)
Helicopter Pilot Private Flight 1
Qualifies students to obtain and/or update skills and knowledge necessary for flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 133   (2)
Helicopter Pilot Private Flight 2
Qualifies students to obtain and/or update skills and knowledge necessary for flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 134   (2)
Helicopter Pilot Private Flight 3
Qualifies students to obtain and/or update skills and knowledge necessary for flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 145   (2)
Professional Pilot Private Flight 1
Qualifies students to obtain and/or update skills and knowledge necessary for flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 146   (2)
Professional Pilot Private Flight 2
Qualifies students to obtain and/or update skills and knowledge necessary for flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 160   (2-5)
Aviation Communication
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 161   (3)
Basic Aviation Terminology
Covers all basic definitions, acronyms and abbreviations used in the aviation industry as well as their uses and applications. Assists in preparing for the FAA Private Pilot written exam.

AVIA 177-179   (1-13)
Aviation Work Experience 1-3
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   (5)
FAA Next Generation Technologies
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 206   (3)
Helicopter Ground School
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 211   (5)
Aerodynamics for Pilots
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   (2)
Human Factors for Aviators
Human reactions to different situations, can adversely affect the safety of flight. Flight environments influence human physiology such as the eyes and ears, the brain and the body and these effects on human physiology can cloud judgment of flight crews. Cockpit and dispatch resource management is also crucial in the development of good communication skills between flight personnel and the ground crew.

AVIA 214   (5)
Airport Management and Operations
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. *PREREQUISITE: Instructor's permission.*

AVIA 216   (5)
Basic Instrument Pilot Ground School
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 and concurrent enrollment in AVIA 226; or instructor's permission.*

AVIA 217   (5)
Aviation Security
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   (5)
Commercial Pilot Ground School
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   (5)
Flight Instructor Ground School
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   (2)
FAA Written Test Preparation for ATP/Dispatch
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 225 (10)
Instrument Flight Operations and Procedures
Covers instrument flight procedures and related topics for Instrument Flight Rules (IFR) and Visual Flight Rules (VFR) flight operations in the National Airspace System (NAS). Includes explanations and use of FAA regulations pertaining to IFR navigation, IFR publications, and ATC procedures for flight operations in the NAS. *PREREQUISITE: AVIA 111 or instructor's permission.*

AVIA 226 (5)
Advanced Instrument Pilot Ground School
Provides students with information to pass the FAA instrument pilot written examination. Covers advanced 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 232 (2)
Helicopter Pilot Commercial Flight 1
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 233 (2)
Helicopter Pilot Commercial Flight 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 234 (2)
Helicopter Pilot Commercial Flight 3
Qualifies students to obtain and/or update skills and knowledge necessary for pilot flight proficiency requirements. A local authorized flight school provides in-flight instruction.

AVIA 242 (2)
Helicopter Pilot Instrument Flight 1
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 243 (2)
Helicopter Pilot Instrument Flight 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 244 (2)
Helicopter Flight Instructor
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 245 (2)
Professional Pilot Commercial Flight 1
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 246 (2)
Professional Pilot Commercial Flight 2
Qualifies students to obtain and/or update skills and knowledge necessary for commercial pilot flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 247 (2)
Professional Pilot Commercial Flight 3
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 248 (2)
Helicopter Pilot Instrument Flight 3
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 249 (2)
Helicopter Pilot Instructor Flight 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 254 (2)
Helicopter Pilot Instructor Flight 3
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 255 (2)
Professional Pilot Instrument Flight 1
Qualifies students to obtain and/or update skills and knowledge necessary for the instrument pilot flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 256 (2)
Professional Pilot Instrument Flight 2
Qualifies students to obtain and/or update skills and knowledge necessary for the instrument pilot flight proficiency requirements. A local authorized flight school provides all in-flight instruction.

AVIA 257 (2)
Professional Pilot Instructor Flight 1
Qualifies students to obtain and/or update skills and knowledge necessary for instrument pilot flight proficiency requirements in an airplane. A local authorized flight school provides in-flight instruction.

AVIA 258 (2)
Professional Pilot Instructor Flight 2
Qualifies students to obtain and/or update skills and knowledge necessary for Instructor pilot flight proficiency training. A local authorized flight school provides all in-flight instruction.

AVIA 259 (2)
Professional Pilot Instrument Flight 3
Qualifies students to obtain and/or update skills and knowledge necessary for instrument flight proficiency. A local authorized flight school provides all in-flight instruction.

AVIA 261 (2)
Professional Pilot Instrument Instructor
Qualifies students to obtain and/or update skills and knowledge necessary for instrument instructor pilot flight proficiency training. A local authorized flight school provides all in-flight instruction.

AVIA 262 (2)
Professional Pilot Multi-Engine Instructor Pilot
Qualifies students to obtain and/or update skills and knowledge necessary for multi-engine instructor pilot flight proficiency training. A local authorized flight school provides all in-flight instruction.

AVIA 263 (2)
Helicopter Pilot Instrument Instructor
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 (2)
Helicopter Turbine Transition
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 (5)
Airline Dispatch
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 216 or 225; or instructor's permission.*

AVIA 267 (5)
International Flight Planning and ETOPS
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 269 (2)
Professional Pilot Multi-Engine Flight
Qualifies students to obtain and/or update skills and knowledge necessary for multi-engine pilot flight proficiency training. A local authorized flight school provides all in-flight instruction.

AVIA 281 (5)
Air Traffic Control 1
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 216 or 225; or concurrent enrollment or instructor's permission.*

AVIA 282 **(5)**
Air Traffic Control 2
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 3.0 or higher; or instructor's permission.*

AVIA 284 **(1)**
ATC Radar Lab
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 **(5)**
Air Traffic Controllers 3-Enroute ATC
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 with a grade of 3.0 or higher; or instructor's permission.*

Basic Education (BASIC)

BASIC 020 **(1-2)**
Academic Orientation and Planning
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 022-026 **(1-12)**
High School Equivalency Test Preparation for Bilingual Students Level 2-6
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 032-034 **(1-15)**
Adult Basic Education Level 2-4
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 053 **(1-5)**
Adult Basic Math
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.*

BASIC 054 **(2-5)**
Problem Solving for the Math High School Equivalency Test I
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 BASIC 053. This is a pass/no-credit course.*

BASIC 056 **(1-5)**
Adult Basic Reading 2
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 **(2-5)**
Problem Solving for the Math High School Equivalency Test
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 **(1-5)**
Adult Basic Writing
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, teacher) in a range of comfortable and familiar settings. *PREREQUISITE: Instructor's permission and appropriate COMPASS placement score. This is a pass/no-credit course.*

BASIC 060 **(1-5)**
Adult Basic and High School Equivalency Test Preparation Writing
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 COMPASS placement score. This is a pass/no-credit course.*

BASIC 061 **(1)**
Reading in the Content Area Language Arts Fiction
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 **(1)**
Reading in the Content Area Social Studies
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 **(1)**
Reading in the Content Area Science
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 **(1)**
Reading in the Content Area Nonfiction
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 **(1)**
Reading in the Content Area Mathematics
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 **(12)**
Workplace and Computer Basics
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 072-074 **(1-10)**
Basic Skills Review Level 2-4
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 **(1-15)**
Basic High School Equivalency Test Preparation
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 **(1-15)**
Advanced High School Equivalency Test Preparation
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 094-098 **(1-12)**
Special Topics in Adult Basic Education 2-6
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 **(5)**
Survey of Biology
Presents fundamental topics from all areas of modern biology including the environment, ecology, 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 degree.*

BIOL 103 **(5)**
Introduction to Botany
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 degree.*

BIOL 110 **(5)**
Northwest Ecology
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 degree.*

BIOL 125 **(3-5)**
Field Studies
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 **(5)**
Natural Science of Australia and New Zealand
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 degree.*

BIOL 140 **(1)**
Field Trips in Biology
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 degree.*

BIOL& 160 **(5)**
General Biology with Lab
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. Strongly recommend MATH 097 or higher and CHEM& 121. *PREREQUISITE: ENGL& 101 with a grade of 2.0 or higher. Satisfies a lab or natural science requirement for AA degree.*

BIOL 177 **(1-12)**
Biology Work Experience
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 **(1-5)**
Special Topics-Biology 1
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 **(1-4)**
Special Topics-Biology 2
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 **(6)**
Majors Cellular
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 degree.*

BIOL& 212 **(6)**
Majors Animal
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 degree.*

BIOL& 213 **(6)**
Majors Plant
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 degree.*

BIOL& 241 **(5)**
Human Anatomy and Physiology 1
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 degree.*

BIOL& 242 **(5)**
Human Anatomy and Physiology 2
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 minimum grade of 2.0 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA degree.*

BIOL& 260 **(5)**
Microbiology
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; and eligible for ENGL& 101; or instructor's permission. Satisfies a lab or natural science requirement for AA degree.*

BIOL 298 **(1-5)**
Independent Study-Biology
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   **(5)**
Business Computation
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 BUS E 110 with a grade of 2.0 or higher; or instructor permission.*

B A 146   **(3)**
Intermediate Business Math
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 177-179   **(1-12)**
Business Administration Work Experience 1-3
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 Education (BUS E)

BUS E 080   **(2)**
Keyboarding
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.

BUS E 090   **(5)**
Office Accounting
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.*

BUS E 100   **(5)**
Fundamentals of Computers
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.*

BUS E 100.1   **(2)**
Microcomputer Fundamentals: Internet
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.*

BUS E 100.2   **(2)**
Microcomputer Fundamentals: Word
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.*

BUS E 100.3   **(2)**
Microcomputer Fundamentals: Excel
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.*

BUS E 100.4   **(2)**
Microcomputer Fundamentals: Access
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.*

BUS E 100.5   **(2)**
Microcomputer Fundamentals: PowerPoint
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.*

BUS E 101   **(5)**
Beginning Typing/Keyboarding
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 (typewriting) instruction.*

BUS E 102   **(5)**
Intermediate Keyboarding
Builds on the keyboarding (typewriting) skills and concepts developed in BUS E 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: BUS E 101 with a grade of 2.0 or higher; or equivalent. RECOMMEND: BUS E 112 and a minimum typing speed of 30 wpm.*

BUS E 103   **(5)**
Advanced Keyboarding
Builds on the keyboarding (typewriting) skills and concepts developed in BUS E 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: BUS E 102 or equivalent and BUS E 112, all with a grade of 2.0 or higher. RECOMMEND: A minimum typing speed of 30 wpm.*

BUS E 107   **(4)**
Typing Speed and Accuracy 1
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.*

BUS E 108   **(4)**
Typing Speed and Accuracy 2
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: BUS E 107. This is a pass/no-credit course.*

BUS E 109   **(3)**
Legal Terminology
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.*

BUS E 110   **(5)**
Business Math Applications
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.*

BUS E 111   **(3)**
Personal Computing
Introduction to the personal computer in a small office/home setting. Includes terminology, file management, word processing, e-mail and the Internet. No previous computer experience required. *RECOMMEND: Eligible for READ 094. Satisfies an activity requirement for AA degree.*

BUS E 112 (5)
Beginning Word
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: BUS E 100 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A minimum typing speed of 30 wpm.*

BUS E 115 (1)
Professional Image Building
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 degree. This is a pass/no-credit course.*

BUS E 117 (2)
Exploring PowerPoint
Students learn to create and deliver easy, effective, professional-looking presentations using Microsoft PowerPoint. *PREREQUISITE: BUS E 100 with a grade of 2.0 or higher, or instructor's permission.*

BUS E 118 (5)
Basics for Online Education
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.*

BUS E 119 (7)
MOS Core and Expert Certification Preparation
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.*

BUS E 119.1 (1)
Prep Test 1-Microsoft Certification Access
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.*

BUS E 119.2 (1)
Prep Test 2-Microsoft Certification Access
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.*

BUS E 119.3 (1)
Prep Test 1-Microsoft Certification Excel
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.*

BUS E 119.4 (1)
Prep Test 2-Microsoft Certification Excel
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.*

BUS E 119.5 (1)
Prep Tests - Microsoft Certification PowerPoint
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.*

BUS E 119.6 (1)
Prep Test 1-Microsoft Certification Word
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.*

BUS E 119.7 (1)
Prep Test 2-Microsoft Certification Word
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.*

BUS E 120 (5)
Introduction to Transcription
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: BUS E 102 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college level composition course.*

BUS E 121 (5)
Introduction to legal Transcription
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 kills. *A college-level composition class is recommended. PREREQUISITE: BUS E 102 and BUS E 109 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 122 (5)
Introduction to Medical Transcription
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: BUS E 102 and ENGL 108, both with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college level composition course.*

BUS E 123 (5)
Intermediate Medical Transcription
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: BUS E 122 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A college level composition course.*

BUS E 124 (5)
Advanced Medical Transcription
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, BUS E 112, and BUS E 123, all with a grade of 2.0 or higher.*

BUS E 126 (2)
Pharmaceutical Basics
Introductory course in pharmacology including the study of terminology, drug classifications and usage. Emphasizes knowledge 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.*

BUS E 127 (3)
Overview of Human Diseases for Non-Clinicians
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.

BUS E 129 (5)
Intermediate Legal Transcription
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: BUS E 121 with a grade of 2.0 or higher.*

BUS E 130 (5)
Business Correspondence
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: BUS E 100 with a grade of 2.0 or higher; eligible for ENGL 100 and READ 104; or instructor's permission.*

BUS E 132   (5)
Business Communication Applications
Introduces PowerPoint, Outlook and One Note. Focuses on the applications' basic tools and their usage in business. *PREREQUISITE: BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 140   (5)
Records Management
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. *RECOMMEND: BUS E 185. PREREQUISITE: BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 142   (5)
Basic Concepts of Healthcare Delivery Systems
Introduces the organization, financing, regulatory and delivery structures of healthcare services, providers, payers, and agencies in the U.S. Focuses on the healthcare organization, accreditation standards, payment and reimbursement systems. Addresses current issues in healthcare to enrich the students understanding and breadth of knowledge of the U.S. healthcare system, along with the roles and functions of various healthcare professionals. *PREREQUISITE: AP 100 or AP 103, BUS E 100 with a grade of 2.0 or higher; and ENGL 108; or instructor's permission.*

BUS E 143   (5)
Medical/Legal Aspects of Health Information
Overview of health information systems used to identify, file, and store patient health information. Students gain fundamental knowledge of 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: BUS E 142 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 144   (5)
Computer Applications in Healthcare
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: BUS E 142 with a grade of 2.0 or higher; or concurrent enrollment in BUS E 142; or instructor's permission.*

BUS E 145   (5)
International Classification of Diseases-Medical Coding
Introduces 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. Teaches students to assign valid diagnostic codes using source documents. *PREREQUISITE: AP 100, BUS E 126, BUS E 127 and ENGL 108, all with a grade of 2.0 or higher; or instructor's permission.*

BUS E 146   (5)
Current Procedural Terminology-Medical Coding
Introduces coding in ambulatory settings using Current Procedural Terminology (CPT), and Health Care Financing Administration Common Procedure Coding System (HCPCS) Level 1. General content, 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: BUS E 145 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 150   (5)
Introduction to Windows
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: BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 157   (2)
Introduction to Outlook
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: BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 162   (5)
Introduction to Excel
Introduces the basic skills for developing spreadsheets in Microsoft Excel. Students prepare and format worksheets, and maintain and enhance workbooks. *PREREQUISITE: BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 163   (5)
Advanced Excel
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: BUS E 162 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 170.1   (1)
Beginning Keyboarding-Alphabet Keys
Introduces alphabetic keyboard including correct finger placement and reaches. Enables students to develop touch-keyboarding skills in a minimal amount of time.

BUS E 170.2   (1)
Keyboarding-Mastering 10-Key and Symbols
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.

BUS E 170.3   (1)
Keyboarding-Speed and Accuracy-Skill Build
Enables students to develop skills to improve typing speed and accuracy. Reinforces touch-typing technique. *RECOMMEND: Keyboarding skills.*

BUS E 171.1   (1)
PowerPoint: Preparing a Presentation
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.*

BUS E 171.2   (1)
PowerPoint: Design with Graphics and Multimedia
Focuses on creating diagrams for processes and relationships; creating a photo album; inserting movies and sound; creating tables and charts. *RECOMMEND: BUS E 171.1 and keyboarding skills.*

BUS E 171.3   (1)
PowerPoint: Customize and Incorporate Web Features
Focuses on developing and organizing content, working with color; customizing design templates; running custom slide shows; preparing presentations for web delivery. *RECOMMENDED: BUS E 171.1 and keyboarding skills.*

BUS E 173.1   (1)
Word: Create, Edit and Format Documents
Focuses on Microsoft Word basics such as document formatting, document organization, text and paragraph formatting, styles.

BUS E 173.2   (1)
Word: Tables and Sharing Documents
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: BUS E 173.1 and keyboarding skills.*

BUS E 173.3   (1)
Word: Mail Merge and Other Productivity Tools
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: BUS E 173.1 and keyboarding skills.*

BUS E 173.4   (1)
Word: Create a Newsletter
Teaches use of Microsoft Word to design and create a newsletter, as well as working with objects and using object linking and embedding. *RECOMMEND: BUS E 173.1 and keyboarding skills.*

BUS E 173.5   (1)
Word: Creating Forms, Macros and Document Security
Introduces creating an electronic form from a Microsoft Word template, protecting the form, and using authentication. Focuses on recording and editing macros. *RECOMMEND: BUS E 173.1 and keyboarding skills.*

BUS E 174.1 (1)
Excel: Introduction to Formulas and Functions
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.*

BUS E 174.2 (1)
Excel: Charts and Working with Large Worksheets
Focuses on using Excel's charting feature and working with large worksheets. *RECOMMEND: BUS E 174.1 and keyboarding skills.*

BUS E 174.3 (1)
Excel as a Database
Covers Excel's database functions, pivot tables, conditional functions, and amortization table. *RECOMMEND: BUS E 174.1 and keyboarding skills.*

BUS E 174.4 (1)
Excel: Data Consolidation and What-If Analysis
Focuses on data consolidations, links, and formula auditing. Covers use of spreadsheets for decision making with "what-if" analysis. *RECOMMEND: BUS E 174.1 and keyboarding skills.*

BUS E 174.5 (1)
Excel: Collaboration, the Web, and Macros
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: BUS E 174.1 and keyboarding skills.*

BUS E 175 (1-5)
Instructor Assistant
Students assist the instructor including working with students individually in business education classes, answering questions, doing tutorial work, and checking papers. *PREREQUISITE: Instructor's permission.*

BUS E 176.1 (1)
Access: Create and Modify a Database
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.*

BUS E 176.2 (1)
Access: Use Queries to Produce Information
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.*

BUS E 176.3 (1)
Access: Create and Modify Forms
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.*

BUS E 176.4 (1)
Access: Create and Modify Reports
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.

BUS E 177-179 (1-12)
Business Education Work Experience 1-3
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.*

BUS E 184 (5)
Internet and Basic Web Design
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: BUS E 100 with a grade of 2.0 or higher; or instructor permission. RECOMMEND: BUS E 150 or IT 110.*

BUS E 185 (5)
Introduction to Microsoft Access
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: BUS E 100 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 186 (5)
Advanced Microsoft Access
Focuses on advanced multi-table database design and techniques using Microsoft Access. *PREREQUISITE: BUS E 185.*

BUS E 200 (5)
Production Keyboarding
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: BUS E 103 or equivalent, and BUS E 112. RECOMMEND: A typing speed of 55 wpm.*

BUS E 201 (5)
Legal Production Keyboarding
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: BUS E 103 or equivalent, BUS E 109, and BUS E 112, all with a grade of 2.0 or higher. RECOMMEND: A typing speed of 60 wpm.*

BUS E 202 (5)
Medical Production Keyboarding
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: BUS E 103 or equivalent, BUS E 112, BUS E 122, and ENGL 108, all with a grade of 2.0 or higher. RECOMMEND: A typing speed of 60 wpm.*

BUS E 212 (5)
Computer Application for Teachers
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.

BUS E 214 (5)
Introduction to Information Security
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: BUS E 100 with a grade of 2.0 or higher; or instructor permission. RECOMMEND: BUS E 150 or IT 101.*

BUS E 216 (2-5)
Computer Support Internship I
Students assist Business Education instructors with computer applications and basic hardware functions. Students may receive 2-5 credits toward the completion of the Business Applications Specialist degree. *PREREQUISITE: Instructor's permission.*

BUS E 217 (2-5)
Computer Support Internship 2
Students assist Business Education instructors in troubleshooting and maintaining hardware and software, as well as training lab assistants. Students may receive 2-5 credits toward the completion of the Business Application Specialist degree. *PREREQUISITE: BUS E 216 and instructor's permission.*

BUS E 218 (5)
Basic Office PC Support
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: BUS E 150 with a grade of 2.0 or higher; or instructor's permission.*

BUS E 219 (5)
Basic Networking Concepts
A basic course in the management of a local area network. Identifies the responsibilities of the network system administrator and develops necessary skills. *PREREQUISITE: BUS E 150 or instructor's permission.*

BUS E 235 (5)
Legal Office Procedures
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: BUS E 103 and 121, both with a grade of 2.0 or higher; or instructor's permission.*

BUS E 245 (5)
Medical Office Procedures
Provides a study of activities most often performed by medical assistants and transcriptionists. Topics include medical office environment, communication services and responsibilities, medical research, file management, medical code of ethics, scheduling techniques, medical billing procedures, medical records, job search and informational interview, preparation of job-ready resume/portfolio, computerized patient scheduling/billing software, leadership, and human relations. *PREREQUISITE: BUS E 103 and 122, both with a grade of 2.0 or higher; or instructor's permission.*

BUS E 246 (5)
Intermediate Medical Coding
Covers case studies using complex code assignment with the International Classification of Diseases (ICD), Current Procedural Terminology (C)PT), 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 coding problem-solving, data, quality control, and use of ICD and CPT computer encoder. *PREREQUISITE: BUS E 145 and 146, both with a grade of 2.0 or higher; or instructor's permission.*

BUS E 248 (5)
Healthcare Reimbursement Methodology
Overview of the medical billing profession, the claims process, and federal billing guidelines. Study of major medical third-party payers including coverage offered, eligibility, and reimbursement methodologies. Students learn to determine case mix index and reimbursement procedures for healthcare settings, including physician billing, inpatient/outpatient billing, and billing for clinics and labs. *PREREQUISITE: BUS E 142, 143, 145 and 146, all with a grade of 2.0 or higher; or instructor's permission.*

BUS E 250 (5)
Office Relations and Procedures
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: BUS E 100 and BUS E 130, both with a grade of 2.0 or higher; and eligible for ENGL& 101; or instructor's permission.*

BUS E 255 (5)
Advanced Word
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: BUS E 112 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: A typing speed of 30 wpm.*

BUS E 266 (5)
Inside Microsoft Office
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 incorporates Word, Excel, and Access concepts. *PREREQUISITE: BUS E 100 or IT 101 with a grade of 2.0 or higher. RECOMMEND: BUS E 112, BUS E 132, BUS E 150, BUS E 162, and BUS E 185.*

BUS E 297 (1-5)
Independent Study-Business Education
Includes special courses and topics designed for students such as individual learning in business and office education. Students may register for a contracted learning experience by obtaining permission from a business education faculty advisor. *PREREQUISITE: Instructor's permission.*

Business Management (BUS)

BUS& 101 (5)
Introduction to Business
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 100. Satisfies a social science requirement for AA degree. RECOMMEND: Writing skills.*

BUS 103 (5)
Business Leadership
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 100 or instructor's permission. Satisfies an activity requirement for AA degree.*

BUS 121 (5)
Marketing Fundamentals
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 (5)
Professional Selling
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 (5)
Entrepreneurship and Small Business Management
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 100 or instructor's permission.*

BUS 166 (5)
Human Relations and Work Readiness
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 (5)
Basic Financial Management
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 (1)
Career Management
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 and 180 (1-6)
Supervised Work Experience 1 and 2
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 (5)
Introduction to International Business
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 100 or instructor's permission.*

BUS 184 (5)
International Business Strategies
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 (5)
International Marketing
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 194-196 (5)
Special Topics-Business Management 1-3
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 permission.*

BUS& 201 (5)
Business Law
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 degree.*

BUS 202 (5)
Introduction to Project Management
Examines how to manage projects by planning, prioritizing, scheduling, budgeting, and monitoring the project. Emphasizes common tolls and methods used by project managers to complete projects on time and on budget.

BUS 205 (2)
Community Leadership Seminar
Students learn key leadership skills, and then demonstrate their abilities by leading others within our community. Topics include interpersonal communications, servant leadership principles, emotional intelligence, and presentation and coaching skills. Students spend time improving their leadership skills and developing mentoring relationships by educating classes of high school students about their college experiences. Students develop a college survival guide to be shared with high school students as part of their community outreach efforts. *PREREQUISITE: Eligible for ENGL 100.*

BUS 257 (5)
Customer Service Strategies
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 (5)
Principles of Management and Supervision
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 164, or instructor's permission.*

BUS 340 (5)
Project Management
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 a bachelor's program and instructor's permission.*

Carpentry Technology (CARP)

CARP 113 (1-13)
Residential Foundations and Floor Framing
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 (1-13)
Residential Wall and Roof Framing
A competency-based course. Major areas of study will be residential 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 (1-13)
Residential Exterior and Interior Finish
A competency-based course. Major areas of study include residential 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 (5)
Home and Performance Testing
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 (1-3)
Residential Print Reading
Introduction to reading and interpreting architectural drawings for residential construction.

CARP 162 (1-4)
Stair Design and Construction
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 (1-4)
Rafters Design and Framing Level 1
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 (1-4)
Basic Cabinet Construction
A competency-based/hybrid course. Introduction to basic box cabinet design and construction. Topics include wood species identification and characteristics, various cabinet construction methods, common cabinetry materials and hardware, sources for cabinetry parts and components, cabinet design and construction, hardware installation & adjustment, power tool and stationary tool set-up, safety procedures and operations.

CARP 165   **(1-4)**
Residential Remodeling Practices
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   **(1-4)**
Deck Construction and Concrete Flatwork
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   **(1-4)**
Residential Material Estimating
A competency-based course. Introduction to residential material estimating methods. Topics include foundation, framing, exterior and interior material estimating methods and practices.

CARP 168   **(1-3)**
Green Construction Principles and Practices
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   **(1-4)**
Advanced Stair Construction
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   **(1-4)**
Advanced Roof Framing
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   **(1-6)**
Advanced Cabinetry and Wood Fabrication
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   **(1-4)**
Advanced Finish Carpentry
Competency-based/hybrid course that covers the theory and current practice of building various millwork and site-built assemblies, including multi-piece crown systems, tongue and groove recessed panel wainscoting, mantels, column wraps, box-

beam ceilings and multi-piece casing systems. Discussion topics also include a variety of pocket-door track systems and their installation.

CARP 177-179   **(1-12)**
Carpentry Work Experience 1-3
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   **(1-13)**
Special Studies-Carpentry
Students study and develop skills to meet student-identified needs within the carpentry trade. *PREREQUISITE: Instructor's permission.*

Chemistry (CHEM)

CHEM& 121   **(5)**
Introduction to Chemistry
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 degree.*

CHEM& 131   **(5)**
Introduction to Organic Chemistry and Biochemistry
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 degree.*

CHEM& 140   **(6)**
General Chemistry Prep with Lab
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 degree.*

CHEM& 161   **(6)**
General Chemistry with Lab I
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 degree.

CHEM& 162   **(6)**
General Chemistry with Lab II
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 147; or eligible for MATH& 151 or higher; or instructor's permission. Eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA degree.*

CHEM& 163   **(6)**
General Chemistry with Lab III
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 degree.*

CHEM 177   **(1-12)**
Chemistry Work Experience
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   **(1-5)**
Special Topics-Chemistry 1
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   **(1-5)**
Special Topics-Chemistry 2
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   **(6)**
Organic Chemistry with Lab I
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 degree.*

CHEM& 262   **(6)**
Organic Chemistry with Lab II
Continuation of CHEM& 261. *PREREQUISITE: CHEM& 261 and eligible for ENGL& 101. Satisfies a lab or natural science requirement for AA degree.*

CHEM& 263 **(6)**
Organic Chemistry with Lab III
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 degree.*

CHEM 296 and 299 **(1-5)**
Independent Study-Chemistry 1 and 2
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 **(5)**
First Year Chinese for Heritage Learners
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 100. Satisfies a humanities/fine arts/ English requirement for AA degree.*

CHIN& 121 **(5)**
Chinese I
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. Eligible for ENGL& 101. Satisfies a humanities/fine arts/ English requirement for AA degree.*

CHIN& 122 **(5)**
Chinese II
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& 101. Satisfies a humanities/fine arts/ English requirement for AA degree.*

CHIN& 123 **(5)**
Chinese III
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& 101. Satisfies a humanities/fine arts/ English requirement for AA degree.*

Communication Studies (CMST)

CMST 100 **(5)**
Fundamentals of Oral Communication
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 100 or instructor's permission.*

CMST& 102 **(5)**
Introduction to Mass Media
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/ fine arts/English requirement for AA degree.*

CMST 177-179 **(1-12)**
Communication Studies Work Experience 1-3
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 **(1-5)**
Special Studies-Communication Studies
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 **(5)**
Interpersonal Communication
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 100 or instructor's permission. Satisfies a humanities/fine Arts/English requirement for AA degree.*

CMST 212 **(5)**
Persuasion and Propaganda
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 100 or instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

CMST 215 **(5)**
Critical Analysis of Media
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.

CMST 217 **(5)**
Communication for Business and Professions
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 100 or instructor's permission.*

CMST& 220 **(5)**
Public Speaking
A course in public speaking that helps students develop confidence and competence in addressing diverse audiences in community and professional settings. Students compose and deliver speeches, as well as evaluate others' presentations. Emphasizes choice and organization of material, sound reasoning, audience analysis, and delivery. *PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

CMST 221 **(1-2)**
Public Speaking Module
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 permission for other courses requiring oral presentations.*

CMST 222 **(5)**
Coaching and Mentoring Public Speakers
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 **(5)**
Small Group Communication
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

CMST 238   **(5)**
Intercultural Communication
Looks at communication across cultures on the interpersonal and intergroup levels. Investigates the components of culture that work to affect the communication of members in and across cultures. 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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

CMST 245   **(5)**
Argumentation
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

CMST 265   **(5)**
Introduction to Popular Culture
Why is the iPod so popular? Who really watches reality TV? What makes it possible for celebrities to become activists and politicians? What determines what music will be popular? These are the types of questions popular culture theory explores. Introduces the theories and practices of popular culture. Also introduces some of the most important critiques of culture since the 1930s. Covers the 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, books, magazines, advertising, comics, television, etc.) *PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a humanities/fine art/English requirement for AA degree.*

CMST 266   **(1-5)**
Film and Television as Popular Culture
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

CMST 299   **(1-5)**
Independent Study–Communication Studies
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   **(5)**
Diversity in the Workplace
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 program; ENGL& 101; and instructor's permission.*

Computation (ACOMP)

ACOMP 100T   **(5)**
Computation for the Trades
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: BASIC 053 or appropriate COMPASS score.*

Computer Reporting Technologies (CRPT)

CRPT 080   **(1)**
Machine Shorthand Lab
Students use the lab to produce transcripts and work on Sten-Ed Realtime writing drills as assigned by instructor. *PREREQUISITE: Concurrent enrollment with CRPT 094-099.*

CRPT 090.1   **(3-4)**
Machine Shorthand Theory-Beginning
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.

CRPT 090.2   **(3-4)**
Machine Shorthand Theory-Intermediate
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: CRPT 090.1.*

CRPT 091   **(3-4)**
Machine Shorthand Theory-Advanced
Continues to 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: CRPT 090.2 or 100.1.*

CRPT 092   **(3-4)**
Machine Shorthand 40wpm
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 transcription. *PREREQUISITE: CRPT 091 or 100.2.*

CRPT 093   **(3-4)**
Machine Shorthand 60wpm
Develops skill in writing dictation and reading notes with practice on new and familiar material. Students should attain 60 words per minute with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 092 or 101.1.*

CRPT 094   **(5-6)**
Machine Shorthand 80wpm
Develops skill in writing dictation and reading notes with practice on new and familiar material. Students should attain 80 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 093 or CRPT 101.2 and concurrent enrollment with CRPT 080.*

CRPT 095   **(5-6)**
Machine Shorthand 100wpm
Concentrated drill and dictation on two-voice testimony, jury charge, literary, and medical material. Students should attain 100 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 094 or 102 and concurrent enrollment with CRPT 080.*

CRPT 096   **(5-6)**
Machine Shorthand 120wpm
Concentrated drill and dictation on two-voice testimony, jury charge, literary, and medical material. Students should attain 120 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 095 or 133 and concurrent enrollment with CRPT 080.*

CRPT 097   **(5-6)**
Machine Shorthand 140wpm
Concentrated drill and dictation on two-voice testimony, multi-voice testimony, jury charge, literary, and medical material. Students should attain 140 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 096 or 134 and concurrent enrollment with CRPT 080.*

CRPT 098   **(5-6)**
Machine Shorthand 160wpm
Concentrated drill and dictation on two-voice testimony, multi-voice testimony, jury charge, literary, and medical material. Students should attain 160 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 097 or 135 and concurrent enrollment with CRPT 080.*

CRPT 099 (5-6)
Machine Shorthand 180wpm
Concentrated drill and dictation on two-voice testimony, multi-voice testimony, jury charge, literary, and medical material. Students should attain 180 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 098 or 136 and concurrent enrollment with CRPT 080.*

CRPT 100.1 (10)
Machine Shorthand Theory 1
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.

CRPT 100.2 (10)
Machine Shorthand Theory 2
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: CRPT 100.1.*

CRPT 101.1 (10)
Machine Shorthand Theory 3
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: CRPT 100.2.*

CRPT 101.2 (10)
Machine Shorthand 60wpm
Continues the study of theory and develops skill in writing 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: CRPT 101.1 or instructor's permission and concurrent enrollment with CRPT 080.*

CRPT 102 (8-12)
Machine Shorthand 80wpm
Concentrated drill and dictation on two-voice testimony, jury charge, literary, and medical material. Students should attain 80 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 093 or 101.2.*

CRPT 133 (8-16)
Machine Shorthand 100wpm
Concentrated drill and dictation on two-voice testimony, jury charge, literary, and medical material. Students should attain 100 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 094 or 102.*

CRPT 134 (8-16)
Machine Shorthand 120wpm
Concentrated drill and dictation on two-voice testimony, multi-voice testimony, jury charge, literary, and medical material. Students should attain 120 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 095 or 133.*

CRPT 135 (8-16)
Machine Shorthand 140wpm
Concentrated drill and dictation on two-voice testimony, multi-voice testimony, jury charge, literary, and medical material. Students should attain 140 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 096 or 134.*

CRPT 136 (8-16)
Machine Shorthand 160wpm
Concentrated drill and dictation on two-voice testimony, multi-voice testimony, jury charge, literary, and medical material. Students should attain 160 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 097 or 135.*

CRPT 153 (5)
Court Reporting Procedures 1
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.*

CRPT 154 (5)
Court Reporting Procedures 2
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: CRPT 153.*

CRPT 177-179 (1-12)
Court Reporting/Captioning Work Experience 1-3
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.*

CRPT 201 (8-16)
Machine Shorthand 180wpm
Concentrated drill and dictation on two-voice and multi-voice testimony, jury charge, literary, and medical material. Students should attain 180 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 098 or 136.*

CRPT 202 (8-16)
Machine Shorthand 200wpm
Concentrated drill and dictation on two-voice and multi-voice testimony, jury charge, literary, and medical material. Students should attain 200 wpm on new material with a minimum of 95 percent accuracy in transcription. *PREREQUISITE: CRPT 201.*

CRPT 203 (8-16)
Machine Shorthand 225wpm
Concentrated drill and dictation on two-voice and multi-voice testimony, jury charge, literary and medical material. Students should attain 225 wpm on two voice testimony with a minimum of 95 percent accuracy, 200 wpm on jury charge and 180 wpm on literary with a minimum of 95 percent in transcription. *PREREQUISITE: CRPT 202.*

CRPT 250 (3)
Computer-Aided Transcription
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.*

CRPT 251 (3)
Introduction to Captioning/Alternative Careers
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: CRPT 201 and 251; or instructor's permission.*

CRPT 252 (4)
Captioning Internship I
Introduces applications and environments of captioning and CART equipment and software considerations. Industry-approved guidelines for captioning preparation, formats, methods of presentation, text placement, presentation rate, 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: CRPT 201 and CRPT 251; or instructor's permission.*

CRPT 253 (4)
Captioning Internship 2
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. Dictionary building and maintenance in current local, national, and international news, politics and government, sports, food, arts and entertainment, and other related topics are emphasized. *PREREQUISITE: CRPT 252 or instructor's permission.*

CRPT 255 (3)
Computer-Aided Transcription-Advanced
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: CRPT 250 or instructor's permission.*

Computer Science (CS)

CS 120 (2)
Introduction to Programming
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 instructor's permission. Cross-listed with ENGR 120.*

CS& 131 (5)
Computer Science I C++
C++ programming language is used 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 C++ computer programs. *PREREQUISITE: MATH& 142 and CS/ENGR 120; or instructor's permission. Satisfies a natural science requirement for AA degree.*

CS 132 (5)
C++ Data Structures
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 degree.*

CS& 141 (5)
Computer Science I Java
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. Satisfies a natural science requirement for AA degree.*

CS 145 (5)
Java 2
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 grade of 2.0 or higher. Satisfies a natural science requirement for AA degree.*

Cooperative Education (COOP)

COOP 171 (1)
Work Experience Seminar
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.

Criminal Justice (CJ)

CJ& 101 (5)
Introduction to Criminal Justice
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 degree.*

CJ& 105 (5)
Introduction to Corrections
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, CJ 200, and ENGL& 101 or higher; or instructor's permission. Satisfies a social science requirement for AA degree.*

CJ& 110 (5)
Criminal Law
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, CJ 200 and ENG& 101 or higher; or instructor's permission. Satisfies a social science requirement for AA degree.*

CJ 115 (5)
Fingerprint Science
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 (5)
Criminal Justice Professions
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 177-179 (1-5)
Criminal Justice Work Experience 1-3
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 (5)
Individual Rights in Criminal Justice
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 (5)
Criminal Evidence
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, CJ 200, and ENGL& 101 or higher; or instructor's permission.*

CJ 220 (5)
Multicultural Diversity in Criminal Justice
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, CJ 200, and ENGL& 101 or higher; or instructor's permission. Satisfies the diversity course requirement for AA degree.*

CJ 236 (5)
Community Oriented Policing
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, CJ 200, and ENGL& 101 or higher; or instructor's permission.*

CJ& 240 (5)
Introduction to Forensic Science
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, CJ 200, and ENGL& 101 or higher; or instructor's permission. Satisfies a social science requirement for AA degree.*

CJ 294 **(5)**
Special Topics-Criminal Justice
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 **(1-5)**
Independent Study-Criminal Justice
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 **(3)**
Introduction to Dance
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/fine arts/English requirement for AA degree.*

DANCE 102 **(3)**
Dance Technique 1
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/fine arts/English requirement for AA degree.*

DANCE 103 **(3)**
Dance Technique 2
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/fine arts/English requirement for AA degree.*

DANCE 110 **(2)**
Pointe Technique
Emphasizes ballet technique pertaining to pointe work. Develops the skills and practice of releve, 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/fine arts/English requirement for AA degree.*

DANCE 204 **(3)**
Choreography Workshop
Students presents 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/fine arts/English requirement for AA degree.*

Design Technology (D T)

D T 100 **(7)**
Introduction to CADD/CAM
Introduces computers and software applicable to design drafting-related careers. Primary instruction covers AutoCAD and KeyCreator software, which is used for computer-aided drafting to originate and edit drawings. Includes instruction on file management and an introduction to word processing. *PREREQUISITE: Eligible for ENGL 081 and READ 104.*

D T 101 **(1-7)**
Technical Drafting
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 101.1 **(4)**
Drafting Fundamentals
Fundamental drawing course that provides students with knowledge of drafting tools and techniques. Includes drafting fundamentals, lettering, geometric construction, orthographic projection, and isometric drawing. Equivalent to completing the first half of D T 101. *PREREQUISITE: Eligible for ENGL 081 and READ 104.*

D T 101.2 **(3)**
Machine Drafting 1
Fundamental drawing course that provides students with knowledge of orthographic projection, dimensioning, and sectional views. Equivalent to completing the second half of D T 101. *PREREQUISITE: D T 101.1 or instructor's permission.*

D T 102 **(7)**
Descriptive Geometry
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. Applying descriptive geometry develops and dimensions primary and secondary auxiliary views of 3-D objects.

Dimensions and tolerancing is in compliance with the ASME Y14.5 standard, introducing GD&T symbols. Students draw cross sections and develop flat patterns for sheet metal components. *PREREQUISITE: D T 101 or 101.2.*

D T 102.1 **(4)**
Descriptive Geometry
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. Equivalent to the first half of DT 102. *PREREQUISITE: D T 101 or 101.2.*

D T 102.2 **(3)**
Machine Drafting 2
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. Equivalent to the second half of DT 102. *PREREQUISITE: D T 102.1.*

D T 105 **(2)**
Design Drafting Careers
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 **(4)**
Introduction to AutoCAD
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 112 **(4)**
Introduction to KeyCreator
Teaches the commands for creating, editing, and dimensioning 2-D drawings and 3-D solid models using the KeyCreator software. Discusses methods for creating documents which are accurate and accomplished in a timely manner. Emphasizes file management skills using Windows Explorer.

D T 113 **(4)**
Introduction to SolidWorks
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: Familiar with Windows Operating System, file management, and instructor's permission.*

D T 115 **(4)**
Geometric Dimensioning and Tolerancing
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 125   **(5)**
Civil Drafting 1
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 101 or (D T 101.1 and 101.2).*

D T 128   **(3)**
International Residential Code
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   **(3)**
International Building Code
Teaches students general and specific requirements of building codes, particularly as they apply to the commercial carpenter, contractor, or builder.

D T 131   **(7)**
Mechanical Drafting-CADD
Introduces principles, techniques and applications of designing mechanical parts. Areas of study include selection of views, sectioning and auxiliary views, drafting conventions, format selection, dimensioning conventions using ANSI Y14.5 standards, setting DIMVARS in AutoCAD, threads and fasteners, machine shop practices, purchasing parts, and career opportunity discussions. *PREREQUISITE: Instructor's permission.*

D T 135   **(7)**
3D CADD/CAM
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. Computer-aided manufacturing is introduced by developing a 2-D toolpath on Mastercam CADD/CAM program then machining 2-D toolpaths on milling machine. *PREREQUISITE: Instructor's permission.*

D T 141   **(5)**
Architectural Drafting 1
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 or (D T 101.1 and 101.2); and either D T 100 or 110.*

D T 142   **(4)**
REVIT Architecture 1
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. Students learn the whole building design process, as well as cost, the environment and sustainability. *PREREQUISITE: Familiar with Windows Operating System, file management, and instructor's permission.*

D T 145   **(4)**
Structural Drafting-Steel
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 (D T 101.1 and 101.2); or instructor's permission.*

D T 146   **(4)**
Structural Drafting-Concrete
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 (D T 101.1 and 101.2); or instructor's permission.*

D T 147   **(4)**
Structural Drafting-Wood
Covers design and detail wood construction framing. Covers floor framing, wall construction, roof framing, i.e. trusses versus stick framing. Covers deck construction, railings and stairs. Lumber, Glu-Lam Beams, Rough Sawn, man-made wood products, such as Weyerhaeuser products, Parallam, TimberStrand, Microllam and Trus Joist. *PREREQUISITE: D T 101; or (D T 101.1 and 101.2); or D T 100 or 110; or instructor's permission.*

D T 151   **(7)**
Technical Illustration
Emphasizes visualization by developing 3-D pictorial drawings, dealing with non-isometric surfaces and 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 or (D T 101.1 and 101.2).*

D T 161   **(5)**
Electrical and Electronic Drafting (CADD)
Covers symbolization and good drafting techniques. Also covers the application of symbols to the circuit and the identifications each one has. Students prepare schematics and logic diagrams that follow standard drafting practices. Covers methods for handling wiring requirements, and sheet metal packaging for electronic components. Teaches simple printed circuit board layout and checking work for accuracy. *PREREQUISITE: D T 100; and D T 101 or (D T 101.1 and 101.2) or instructor's permission.*

D T 165   **(3)**
Electronics Drafting
Introduces students to the AutoCAD drafting program and drafting procedures. Covers symbolization and good drafting techniques. Covers the application of symbols to the circuit and the identifications each one has. Students prepare schematics and logic diagrams that follow standard drafting practices. Discusses methods for handling wiring requirements, and sheet metal packaging for electronic components. Teaches simple printed circuit board layout and checking work for accuracy. *PREREQUISITE: Instructor's permission.*

D T 175   **(3-12)**
Drafting Work Experience
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   **(3)**
Drafting Work Experience 1
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   **(3)**
Drafting Work Experience 2
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   **(3)**
Drafting Work Experience 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 180-182   **(1)**
Leadership Skills 1-3
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 (1-5)
Independent Study-Drafting 1
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 (2)
ADDA Certification
Strengthens students potential for passing the ADDA Drafter Certification Examination. 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. The ADDA Drafter Certification Examination is scheduled at the conclusion of this course.

D T 210 (4)
Advanced AutoCAD Development 1
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 (4)
Civil Drafting 2
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.*

D T 231 (7)
Mechanical Design (CADD)
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 102 and 131; or instructor's permission.*

D T 232 (7)
Drafting and Design Projects (CADD)
Covers a broad review of the factors influencing the function of mechanical components such as materials and manufacturing methods. Emphasizes a complete graphical representation of each of the components that go into a set of working drawings. Students work on a project selected by the class or projects assigned by the instructor. Projects are selected on the basis of difficulty and completeness. The instructor endeavors to obtain a project from a local manufacturing company. Design teams create documentation for manufacturing. *PREREQUISITE: D T 231 with a grade of 2.0 or higher or instructor's permission.*

D T 236 (4)
Introduction to Inventor
Introduces Autodesk's "Inventor" solid modeling program. Focuses on creating sketches and applying appropriate geometric and dimensional driven constraints to drive model development, editing the model and creating multi-level assemblies. Students learn visualization, sketching, and 3-D parametric modeling to display detailed drawings based on the solid part or assembly. *PREREQUISITE: An understanding of AutoCAD commands or D T 100 or 110 or instructor's permission.*

D T 237 (4)
Advanced 3-D CADD/CAM
Focuses on rapid prototyping using Mastercam software. Includes creation and editing of 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 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: D T 135.*

D T 238 (3)
Inventor II
Provides an intermediate level look at Autodesk Inventor program. Continues where D T 236 ends and is for students who work with assemblies bearing multiple sub assemblies. Students learn to create new parts based on location of relative parts in an assembly. Students reaffirm their skills in Inventor File and project management programs. Students learn to edit complex assemblies that other students have already created. *PREREQUISITE: D T 236 or instructor's permission.*

D T 240 (5)
Electrical and Mechanical Building Systems
Teaches students design, construction principles, methods, and materials of the following building systems: electrical, water supply, sanitary, storm drainage, heating, air conditioning, ventilating, fire protection, and conveying. *PREREQUISITE: D T 141 or instructor's permission.*

D T 241 (4)
Architectural Drafting 2
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 261 (4)
Printed Circuit Board Design (CAD)
Introduces logic symbolization and circuit flow. Includes layout of circuit using a logic drawing for input, obtaining drill and trim information, drawing drill and trim documents, preparing the circuit to allow flow of voltage and amperage levels, reading vendor manuals for component data, preparing assembly information or circuit boards, and checking finished electronic circuit board. *PREREQUISITE: D T 161 or instructor's permission.*

D T 277 (3)
Drafting Work Experience 4
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Student work a minimum of fifteen hours each week. *PREREQUISITE: D T 179. This is a pass/no-credit course.*

D T 278 (3)
Drafting Work Experience 5
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Student work a minimum of fifteen hours each week. *PREREQUISITE: D T 277. This is a pass/no-credit course.*

D T 279 (3)
Drafting Work Experience 6
Supervised work experience at an approved training location. Work experience activities are opportunities for students to use their drafting knowledge and skills. Student work a minimum of fifteen hours each week. *PREREQUISITE: D T 278. This is a pass/no-credit course.*

D T 299 (1-5)
Independent Study-Drafting 2
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 (5)
Introduction to Theatre
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/fine arts/English requirement for AA degree.*

DRMA 102 (5)
Contemporary American Theatre
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/fine arts/English requirement for the AA degree.*

DRMA 111 (5)
Rehearsal and Performance 1
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/fine arts/ English requirement for the AA degree.*

DRMA 112 (5)
Rehearsal and Performance 2
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 (5)
Rehearsal and Performance 3
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 (5)
Acting Fundamentals
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/fine arts/English requirement for AA degree.*

DRMA 152 (5)
Acting-Technical Aspects
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/fine arts/English requirement for AA degree.*

DRMA 153 (5)
Acting-Text Analysis
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/fine arts/ English requirement for AA degree.*

DRMA 154 (5)
Improvisation 1
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/fine arts/English requirement for AA degree.*

DRMA 155 (5)
Improvisation 2
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 (5)
Improvisation 3
Offers students of all experience levels the opportunity to learn improvisational skills to supplement and enhance acting technique. Students who have taken DRMA 155 act as games facilitators and referees. Students actively participate in theatre games relying heavily on the technique of Viola Spolin, Paull Sills and others.

DRMA 211 (5)
Rehearsal and Performance 4
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 (5)
Rehearsal and Performance 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 (5)
Rehearsal and Performance 6
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 (1-5)
Independent Study-Drama
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 (3)
Basic STARS Training
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. *Formerly ECE 100.*

ECED& 105 (5)
Introduction to Early Childhood Education
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. *Formerly ECE 101.*

ECED& 107 (5)
Health, Safety and Nutrition
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. *Formerly ECE 140.*

ECED 112 (3)
Technology in Education
Students use technology in a manner related to the education field. Appropriate for experienced, as well as inexperienced computer users. *Formerly EDUC 112.*

ECED& 120 (2)
ECE Practicum 1-Nurturing Relationships
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 degree. Formerly ECE 103.*

ECED 124 (2)
Early Childhood Education Practicum 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 degree. Formerly ECE 104.*

ECED 124.1 (3)
Child Development Associate Practicum 1
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. Formerly ECE 103.1.*

ECED 124.2 (3)
Child Development Associate Practicum 2
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: ECE 103.1 and concurrent enrollment in any CDA class. Formerly ECE 104.1.*

ECED 125 (5)
Introduction to Child Development Associates
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. *Formerly ECE 120.*

ECED 145 (5)
Foster Parent Scope
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 (3)
Multicultural Books
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. *Formerly ECE 152.*

ECED 155 (5)
Exploring Science and Math
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. *Formerly ECE 155.*

ECED& 160 (5)
Curriculum Development in Early Childhood Education
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 (3)
Art for Children
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. *Formerly ECE 160.*

ECED& 170 (3)
Environments-Young Child
Students design, evaluate, and improve indoor and outdoor environments which ensure quality learning, nurturing experiences, and optimal development of young children. *Formerly ECE 205.*

ECED 175 (3)
Music/Movement Activities
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 degree. Formerly ECE 175.*

ECED& 180 (3)
Language and Literacy Development
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. *Formerly ECE 151.*

ECED 181 (4)
Montessori Practicum I
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. *Formerly ECE 181.*

ECED 182 (4)
Montessori Practicum 2
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. Formerly ECE 182.*

ECED& 190 (3)
Observation and Assessment
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 194-196 (1-5)
Early Child Education Special Topics 1-3
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. *Formerly EDEC 194-196.*

ECED 211 (4)
Introduction to Montessori
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. *Formerly ECE 211.*

ECED 212 (4)
Montessori 2
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. Formerly ECE 212.*

ECED 213 (4)
Montessori 3
Concludes the study of the Montessori philosophy and method focusing on the 3-6 year old child. Emphasizes cultural subjects 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. Formerly ECE 213.*

ECED 214 (3)
Early Childhood Education Practicum 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. Satisfies an activity requirement for AA degree. Formerly ECE 214.*

ECED 215 (3)
Early Childhood Education Practicum 4
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. Satisfies an activity requirement for AA degree. Formerly ECE 215.*

ECED 220 (2)
Introduction to Sign Language
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 degree. Formerly ECE 220.*

ECED 225 (5)
Child Development Associate Course Content
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. *Formerly ECE 190.*

ECED 230 (5)
Child Development Associate Work Ethics
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. *Formerly ECE 200.*

ECED 250 (3)
Early Childhood Education Final Practicum
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. Formerly ECE 250.*

ECED 260 (5)
CDA Performance Documentation
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, 225, 230; or instructor's permission. Formerly ECE 260.*

ECED 265 (4)
Supervised Montessori Teaching
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. Formerly ECE 265.*

ECED 294-296 (1-5)
Special Topics-Education in Early Childhood 4-6
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. Formerly EDEC 294-296.

ECED 297 (6)
Montessori Intensive
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 both new or experienced to the study of Montessori.

Economics (ECON)

ECON 100 (5)
Economic Principles and Applications
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

ECON 101 (5)
Economics of Competition
Study of scarcity, competition, costs, prices, and profits with specific attention to resources, unions, business and government. *PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

ECON 194 (1-5)
Special Topics-Economics
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 100 or instructor's permission.*

ECON& 201 (5)
Micro Economics
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 degree.*

ECON& 202 (5)
Macro Economics
Introduces economic reasoning. Covers basic economic questions concerning economizing, competition and exchange. Also covers macro economics 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 degree.*

ECON 298-299 (5)
Independent Study-Economics 1-2
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 (5)
Child Development
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 (3)
Guiding Behavior
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. *Formerly EDUC 130.*

EDUC& 150 (3)
Child, Family and Community
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. *Formerly ECE 235.*

EDUC 190 (2)
The Role of the Paraeducator
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 certificated/licensed staff and paraeducators.

EDUC 194-196 (1-5)
Education Special Topics 1-3
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 (5)
Exceptional Child
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 (5)
Introduction to Education with Field Exposure
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 (6)
Assisting Practicum
Students work with children in the elementary classroom, learning and demonstrating the fundamentals of developmentally-appropriate and culturally-sensitive practices. In addition, students participate in a two-hour seminar each week, linking the practicum experience to theory. *Satisfies an activity requirement for AA degree.*

EDUC 240 (3-5)
Multicultural/Anti-Bias Issues in Education
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 (2)
Challenging Behaviors in Young Children
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 (2)
Teacher Portfolio Review
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 (2)
Issues of Child Abuse
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 294-296 (1-5)
Education Special Topics 4-6
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.

Engineering (ENGR)

ENGR 100 (2)
Careers in Engineering
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 (5)
Introduction to Design
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 degree.*

ENGR 106 (3)
Introduction to Engineering Problems
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 degree.*

ENGR& 114 (5)
Engineering Graphics
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 (2)
Introduction to Programming
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 concurrent enrollment; or instructor's permission. Cross-listed with CS 120.*

ENGR 140 (5)
Engineering Materials
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 degree.*

ENGR 177-179 (1-12)
Engineering Work Experience 1-3
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 (1-5)
Independent Study-Computer Programming 1
Encourages students to study independently and develop their special interest in computer programming. *PREREQUISITE: Instructor's permission.*

ENGR 199 (1-5)
Independent Study-Computer Programming 2
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 (5)
Electrical Circuits
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 degree.*

ENGR& 214 (5)
Statics
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 degree.*

ENGR& 215 (5)
Dynamics
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 degree.*

ENGR& 224 (5)
Thermodynamics
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 degree.*

ENGR& 225 (5)
Mechanics of Materials
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 degree.*

ENGR 250 (5)
Numerical Methods Using MATLAB
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 081 (5)
Fundamentals of Written Communication
A writing course that focuses on the skills designed to prepare students for English 100 or career/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 COMPASS placement; and eligible for READ 094.*

ENGL 090 (3)
Spelling Improvement
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 (3-5)
Vocabulary Improvement
Offers students the opportunity to improve their vocabularies. Lectures and discussions introduce basic techniques and guidelines for vocabulary development.

ENGL 092 (1-2)
Composition Skills: Mechanics and Paragraphs
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 098 (5)
Bridge to College English
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 100 (5)
Introductory Composition
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: COMPASS placement (Writing and Reading Scores) or ENGL 081 with a grade of 2.0 or higher and eligible for READ 104.*

ENGL& 101 (5)
English Composition I
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. *PREREQUISITE: COMPASS placement or a minimum of 2.0 in ENGL 100, and college-level reading skills or a minimum of 2.0 in READ 104. Satisfies basic skills requirement for AA degree.*

ENGL 103 (1-3)
Composition Skills: College Writing
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 100. This is a pass/no-credit course.*

ENGL 105 (5)
Grammar and Usage
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 (5)
Vocabulary Mastery
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 (1)
Elements of Composition
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 (1-2)
Medical Terminology
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 (5)
Writing for Trades and Career/Technical Degrees
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 (5)
Introduction to Fiction
Increases understanding and appreciation of fiction through intensive reading and analysis of short stories. *PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 113 (5)
Introduction to Poetry
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 114 (5)
Introduction to Drama
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 115 (5)
Introduction to Novels
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 126 (5)
Writing: Humanities
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 degree.*

ENGL 127 (5)
Writing: Social Science
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 degree.*

ENGL 128 (5)
Research Writing: Science/Engineering/Business
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 a basic skills requirements for AA degree.*

ENGL 160 (5)
Literature By and About Women
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 161 (5)
Cultures of Desire
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree*

ENGL 163 (5)
The Poetics of Rap and Hip Hop
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 164 (5)
Film as Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 165 (5)
Introduction to the Myths of the World
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 168 (5)
Introduction to Irish Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 180 (5)
Children's Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 181 (5)
Literary Approach to Popular Culture
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 183 (5)
Literary Approach to Mystery/Detective Fiction
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 185 (5)
Literary Approach to the Bible
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 187 (5)
Paradise and Hell as Literary Concepts
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, Northrope 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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 190 (5)
Adolescent Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 194   **(1-5)**
Special Studies-English
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   **(1-5)**
Independent Study-English 1
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   **(5)**
Introduction to Shakespeare
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& 101. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 226   **(5)**
British Literature I: 7th to 16th Century
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 227   **(5)**
British Literature II: 17th to 18th Century
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 228   **(5)**
British Literature III: 19th to 21st Century
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 236   **(5)**
Creating Writing I
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/fine arts/English requirement for AA degree.*

ENGL& 237   **(5)**
Creative Writing II
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/fine arts/English requirement for AA degree.*

ENGL 239   **(3)**
Espial Workshop
Course leads students through the process of creating a student-centered literary and art journal for Green River. Students are assigned to specific tasks and charged with all elements of the production of a journal of student fiction, poetry, and artwork/photography. *PREREQUISITE: ENGL& 236 or concurrent enrollment; or instructor's permission.*

ENGL& 244   **(5)**
American Literature I: American Literature to 1860
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 245   **(5)**
American Literature II: Civil War to WWI
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 246   **(5)**
American Literature III: WWI to Present
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL 247   **(5)**
American Ethnic Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 248   **(5)**
African-American Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 249   **(5)**
U.S. Latino Literature
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& 101. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL& 254   **(5)**
World Literature I: Ancient World
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 255   **(5)**
World Literature II: 7th to 18th Century
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

ENGL& 256   **(5)**
World Literature III: 19th to 21st Century
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

ENGL 257   **(5)**
Non-Western World Literature
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.

ENGL 299 (1-5)
Independent Study-English 2
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 (5)
Advanced Technical Writing
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 program, ENGL& 101 and instructor's permission.*

English for Speakers of Other Languages (ESOL)

ESOL 010 (1-15)
English for Speakers of Other Languages-Literacy
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 (1-15)
English for Speakers of Other Languages Level 1
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 (1-15)
English for Speakers of Other Languages Level 2
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 (1-15)
English for Speakers of Other Languages Level 3
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 (1-15)
English for Speakers of Other Languages Level 4
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 (1-15)
English for Speakers of Other Languages Level 5
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 (1-15)
English for Speakers of Other Languages Level 6
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 (1-10)
Community-Based ESOL Level 1
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 (1-10)
Community-Based ESOL Level 2
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 (1-10)
Community-Based ESOL Level 3
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 (1-15)
English for Speakers of Other Languages–Multi-Level 4
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 (1-15)
English for Speakers of Other Languages–Multi-Level 5
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 (1-15)
English for Speakers of Other Languages–Multi-Level 6
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 031-033 (1-5)
English for Speakers of Other Languages–Conversation Levels 1-3
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 (1-5)
English Grammar for Level 2
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 (1-5)
ESOL Conversation Support Level 4
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 (1-5)
ESOL Conversation Support Level 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 (1-5)
ESOL Conversation Support Level 6
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 050-056 (1-5)
Technology Assisted Language Learning Levels 1-6
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 (1-5)
ESOL Writing Support Level 2
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 (1-5)
ESOL Writing Support Level 3
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 (1-4)
ESOL Writing Support Level 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 (1-4)
ESOL Writing Support Level 5
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 (1-4)
ESOL Writing Support Level 6
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 (1-15)
ESOL Intensive Writing Level 2
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 (1-15)
ESOL Intensive Writing Level 3
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 (1-15)
ESOL Intensive Writing Level 4
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 091 (1-15)
Special Topics 1
Prepares ESOL students to enter an I-BEST 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 092-093 (1-15)
Special Topics Levels 2-3
Prepares ESOL students to enter an I-BEST 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 094-096 (1-15)
Special Topics Levels 4-6
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 (1-5)
Special Topics-Environmental Science
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 (5)
Natural Science and the Environment
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 degree.*

Film (FILM)

FILM 120 (5)
The Art of the Film
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/fine arts/English requirement for AA degree.*

FILM 121 (5)
Contemporary American Film
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/fine arts/English and the diversity course requirements for AA degree.*

FILM 122 (5)
Introduction to Film: Genres
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree. Formerly HUMAN 272.*

French (FRCH)

FRCH& 121 (5)
French I
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. Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

FRCH& 122 (5)
French II
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. Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

FRCH& 123 (5)
French III
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. Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

FRCH& 221 (5)
French IV
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 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

Geographic Information System (GIS)

GIS 102 (3)
Exploring GIS Spatial Technology
Motivates and encourages students to explore and learn GIS Spatial Technology (GST) in any discipline. Students explore the uses of GST software (GIS, GPS, and Remote Sensing) and methods for applying GIS technology to the student's field of interest. Exploration involves navigating through GST spatial technology software, including ArcExplorer, ArcCatalog and Arcmap; and to see practical applications such as analysis of the causes of natural disasters e.g. wildfire, tsunami, and Hurricane Katrina. An exciting course for everyone interested in learning and exploring 21st century spatial thinking technology. Explores the GIS profession, types of jobs in the field, required skills, and GIS programs offered at Green River and four-year institutions.

GIS 104 (3)
Introduction to Geospatial Technology
Provides an introduction to geospatial technology including geographic information systems (GIS), remote sensing (RS), global positioning systems (GPS), and other emerging online mapping technologies. Explores the GIS profession, types of jobs in the field, required skills, and GIS programs offered at Green River and four-year institutions. Course is designed for everyone interested in learning how to apply geospatial technology in their field of study. Covers the wide range of geospatial technology software including Google Earth, GPS, ArcGIS Explorer online, web mapping, and ArcGIS desktop, including ArcMap and ArcCatalog.

GIS 121 (5)
Introduction to Geographic Information Systems
Provides an overview of ArcGIS tools and three principal GIS software components: ArcMap, ArcCatalog, and ArcToolbox. Provides hands-on experience with ArcGIS tools and functionality. Provides experience working with various data models including shapefiles, coverages, geodatabases, and grids. Students create, manage, analyze, and display georeferenced data. Emphasizes the value of effective communication through the use of georeferenced datasets and finished maps. *PREREQUISITE: Concurrent enrollment in any of the following: BUS E 100, D T 100, GIS 102, NATRS 172; or instructor's permission.*

GIS 141 (3)
Spatial Statistics
Covers the basic concepts of spatial statistics and the tools available in the core of ArcGIS software. Covers differences between a-spatial and spatial statistics, and explains specific methods that use distance, space, and spatial relationships. Explains ways of measuring spatial processes, spatial distributions of features, and means to determine if any data has any spatial patterns (random, clustered or dispersed) using the ArcGIS spatial statistics tools. These tools assist decision-makers to visualize results and understand the concepts of data relationship, allowing them to make decisions with a higher level of confidence. *PREREQUISITE: GIS 121 or instructor's permission.*

GIS 177-179 (1-12)
GIS Work Experience 1-3
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.*

GIS 192 (5)
GIS for Natural Resources
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: GIS 102, GIS 104, NATRS 172 and MATH 072 or MATH 097 or instructor's permission.*

GIS 194 (1-5)
Special Topics-GIS
Permits students to pursue a special GIS topic, under the guidance of an instructor. Possible topics include applying various GIS course operations to specific regional databases, analyzing the data, making inferences, and producing mapped data; collecting local or regional data, analyzing the data and producing conclusions; doing a library and computer search of published materials on a specific topic and designing a database system to incorporate that data and expand the area of research. *PREREQUISITE: Instructor's permission.*

GIS 202 (5)
GIS Fundamentals and Theory
Introduces students to GIS principles and theory, including vector and raster data models and analysis, coordinate systems, geometric transformation, spatial data editing, data exploration, terrain mapping and analysis, viewshed and watershed analysis, and geocoding and dynamic segmentation. Provides concepts and practice of GIS. Students identify a spatial problem, then design and implement an analysis project to address the problem. Emphasizes effective communication through the use of Georeferenced datasets and finished maps. *PREREQUISITE: GIS 121.*

GIS 220 (5)
GIS Modules Analyst
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: GIS 121, GIS 202, or instructor's permission.*

GIS 250 (5)
Data and Spatial Database Design
An overview of the structure and capabilities of the basic principles and methods for designing and building geodatabases. Students explore the basic principles of database design using the relational database model as a central focus. Students learn to build topology and edit feature classes that participate in a topology to maintain data feature spatial integrity. Students use ArcMap toology tools to construct geodatabases which include behavioral topology rules for spatial features. Students produce a comprehensive spatial database supporting a research project in natural resources, conservation, urban planning, or other relevant research interests. *PREREQUISITE: Concurrent enrollment in GIS 121 or instructor's permission.*

GIS 255 (5)
Introduction to GIS Programming
Focuses on two GIS programming approaches for ArcGIS desktop: ArcObjects programming with Visual Basic Applications and Python programming. Students apply the principles of object-oriented programming to GIS applications. Explores how Python scripts add functionality to ArcGIS along with tools/buttons to call up these functions. Students also learn to write and debug scripts for ArcGIS. *PREREQUISITE: GIS 121 or instructor's permission.*

GIS 260 (5)
Cartography-Based GIS
Provides general introduction to the principles and techniques of GIS cartography. 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 different purposes and audiences. Students learn new ArcGIS cartography tools and modules, including Maplex, to aid in understanding principles of thematic map design for different purposes and audiences. Students get hands-on experience using ArcGIS symbols labeling, and annotation to make maps and to export maps into different formats. *PREREQUISITE: GIS 121 or instructor's permission.*

GIS 265 (5)
Enterprise Spatial Database Design
Students use SQL Server database to maximize ArcGIS for Server Basic geodatabase with ArcGIS. Covers ArcGIS for Server architecture and how to manage vector and raster data models. Covers techniques for maintaining geodatabase performance in an editing environment and how to successfully load and manage data in preparation for a multiuser geodatabase implementation. Includes versioning supported by DBMS functions for backup, recovery, replication, SQL support, and security. *PREREQUISITE: GIS 121, GIS 250, IT 240 or instructor's permission.*

GIS 270 (5)
GIS in the Field 1
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, conservation, urban planning, national security, government agencies, private sectors, and non-profit organizations. *PREREQUISITE: GIS 202 or instructor's permission.*

GIS 280 (5)
ArcGIS Server
Teaches how to install, configure and maintain an ArcGIS for Server system that enables GIS content sharing across the enterprise or on the web. Learn the ArcGIS for Server architecture and apply recommended workflows to configure ArcGIS Server sites and manage GIS services, applications, data, and users. Emphasizes techniques and best practices to ensure system performance and security. *PREREQUISITE: CS& 141, GIS 121, GIS 250, and IT 240 or instructor's permission.*

GIS 291 (2)
GIS Project Planning
Assists students in developing specific skills in project planning. Students search and select a topic of interest for the final GIS project for implementation in GIS 292. Encourages students to communicate with the GIS community to find a real-world project which students do individually or in a group. Students learn to plan a project using time management and project scheduling techniques common to the industry. All students submit a written proposal for their GIS project plan, which is completed in GIS 292. *PREREQUISITE: GIS 121 or 202, or instructor's permission.*

GIS 292 (4-8)
GIS Project
Continuation of GIS 291. Students learn to use project planning and implement a project plan to completion. Students choose a specialty area of GIS for class project work and submit a complete written project. Possible specialties include natural resources/conservation, urban planning, national security, utilities, real estate, criminal justice or other areas of interest. Students apply knowledge learned throughout the Green River GIS program to accomplish the final capstone project in GIS 292. If an appropriate opportunity exists, students may be able to address real-world projects through an internship in government, private sector, or non-profit organizations. *PREREQUISITE: GIS 220 or 291, or instructor's permission.*

GIS 299 (1-5)
Independent Study-GIS
Allows and encourages students under the guidance of an instructor to study and develop independently in area of interest in GIS applications or a special topic area of GIS when specific area of interest is not offered within the GIS curriculum. Course contents are developed in conference between the student and instructor. Students meet on a tutorial basis with the instructor. *PREREQUISITE: Instructor's permission.*

Geography (GEOG)

GEOG& 100 (5)
Introduction to Geography
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

GEOG 120 (5)
Introduction to Physical Geography
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 100 or instructor's permission. RECOMMEND: Eligible for ENGL& 101. Satisfies a social science requirement for AA degree.*

GEOG 123 (5)
Globalization
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 degree.*

GEOG 190 (5-10)
Geographic Exploration
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

GEOG& 200   **(5)**
Human Geography
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 degree.*

GEOG 201   **(5)**
World Regional Geography
Study of the world's regional structure; analysis and interpretation of the worlds cultural, economic, and resource patterns. *RECOMMEND: Eligible for ENGL& 101. Satisfies a social science requirement for AA degree.*

GEOG 205   **(5)**
Environmental Geography
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 degree.*

GEOG 298-299   **(1-5)**
Independent Study-Geography 1-2
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   **(5)**
Introduction to Physical Geology
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 degree.*

GEOL 106   **(5)**
Dinosaurs
Dinosaur biology, behavior, and evolution. Exploration of the factors that led to the dinosaur's extinction and the history of their discovery by paleontologists. With dinosaurs as the focal point, the course also introduces students to how hypotheses in science are formulated and tested. Students examine fossils of dinosaurs and other prehistoric animals during classroom discussions. *PREREQUISITE: Eligible for ENGL& 101. Satisfies a natural science requirement for AA degree.*

GEOL 107   **(5)**
Prehistoric Life
Introduces fossils and the geologic record. Topics include geologic time, different types of fossils and how they are preserved, what fossils tell us about past life, how the history of life unfolded, how the earth's environments have changed over time, what caused the great events in biological evolution, and what caused extinctions. *PREREQUISITE: Eligible for ENGL& 101. Satisfies a natural science or lab science requirement for AA degree.*

GEOL 150   **(1)**
Field Trips in Geology 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 degree. This is a pass/no-credit course.*

GEOL 151   **(1)**
Dinosaurs: Museum Field Trips in Geology
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 museum entry fees and transportation to and from museums. *PREREQUISITE: Eligible for ENGL& 101. This is a pass/no-credit course.*

GEOL 152-153   **(1)**
Field Trips in Geology 2-3
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 degree. This is a pass/no-credit course.*

GEOL 200   **(5)**
Geological Investigations of the National Parks
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 degree.*

GEOL 206   **(5)**
Earth History
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 degree.*

GEOL& 208   **(5)**
Geology of the Pacific Northwest
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 degree.*

GEOL 299   **(1-5)**
Independent Study-Geology
Allows and encourages students to study independently in their special interest in geology. Course contents, type and scope of project is decided in conference between student and instructor. *PREREQUISITE: GEOL& 101 and/or instructor's permission and eligible for ENGL& 101.*

German (GERM)

GERM& 121   **(5)**
German I
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/fine arts/English requirement for AA degree.*

GERM& 122   **(5)**
German II
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/fine arts/English requirement for AA degree.*

GERM& 123   **(5)**
German III
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/fine arts/English requirement for AA degree.*

GERM 194   **(1-5)**
Special Studies-German
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.

Health and Human Services (H HSC)

H HSC 110   **(8)**
Fundamentals of Caregiving:
Introduction to Health Occupation
Students learn the essential skills to become an entry level health care and human services provider which include basic workplace skills and ethics, responsibilities of a care provider, communication skills, patient rights and confidentiality. Covers general patient and workplace safety rules, documentation using correct terminology, nutritional concerns, an understanding of select diagnoses, patient/client safety, infection control, and measuring vital signs. Students learn the basics of body mechanics, transfers, ambulation, and the use of assistive

devices, ADL care, and the supervision of routine exercise programs. Provides mock hands-on, supervised experience in patient/client related tasks. At the successful completion of this course, students earn CPR for Healthcare Professional, Fundamentals of Caregiving, and seven-hour HIV/Aids certificates and are eligible to register with the state of Washington for the (NAR) Nursing Assistant Registered status.

Health Education (HL ED)

HL ED 150 (5)
Total Wellness
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 (3)
Applied Wellness
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 (3)
Wellness Approach to Final Stages of Life
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 (3)
Food and Health
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 (3)
Standard First Aid/CPR
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 degree.*

HL ED 198 (3)
Independent Study-Health
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 (3)
Neuroscience
Introduces neuroscience as it relates to the practice of physical therapy. *PREREQUISITE: H SCI 102.*

H SCI 102 (5)
Applied Anatomy
Covers anatomy of the musculoskeletal system including bony landmarks; origins, insertions, innervations of muscles and fundamentals of clinical kinesiology. *PREREQUISITE: Instructor's permission.*

H SCI 104 (3)
Fundamentals of Gerontology
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 (2)
College Success for Healthcare Exploration
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 (2)
Exploring Healthcare Careers
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 (2)
Beginning Medical Language
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 (2)
Introduction to Healthcare Skills and Functions
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 150 (5)
Human Lifespan Growth and Development
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 health care recipients. For students pursuing health science careers. *PREREQUISITE: Instructor's permission.*

High School Completion (HSC)

HSC 025 (3-5)
Civics and Government
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 040 (3-5)
Culminating Experience
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.*

History (HIST)

HIST 021 (4)
U.S. History 1
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 (4)
U.S. History 2
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 (5)
Pacific Northwest and Washington State History
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 (5)
The Ancient World
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

HIST 102   **(5)**
Early Modern World
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 100 or instructor's permission. Satisfies a social science requirements for AA degree.*

HIST 103   **(5)**
The Modern World
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 100 or instructor's permission. Satisfies a social science and the diversity course requirements for AA degree.*

HIST 120   **(5)**
History of the Movies
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

HIST 122   **(5)**
History of Australian Movies
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

HIST 135   **(5)**
The United States Since 1940
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

HIST& 136   **(5)**
U.S. History I
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.

HIST& 137   **(5)**
U.S. History II
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

HIST 194   **(1-3)**
Special Studies-History
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 100 or instructor's permission.*

HIST& 214   **(5)**
Pacific Northwest History
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 degree.*

HIST& 215   **(5)**
Women in U.S. History
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 degree.*

HIST 220   **(5)**
History of American Civilization
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 degree.*

HIST 224   **(5)**
African-American History
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 degree.*

HIST 226   **(5)**
Asian-American History
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 degree.*

HIST 228   **(5)**
Latinos in the United States
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 degree.*

HIST 230   **(5)**
20th Century Europe
An in-depth study of Europe in the 20th century. Themes include 19th century legacies and end of the century crisis, artistic and cultural change, two world wars, a cold war, wars of decolonization, economic growth and decline, political unity, protest, and fragmentation. Focuses on political, cultural, and intellectual themes. *PREREQUISITE: Eligible for ENGL& 101 or instructor's permission. Satisfies a social science requirement for AA degree.*

HIST 231   **(5)**
Modern Asia
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 degree.*

HIST 232   **(5)**
Renaissance and Reformation
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 degree.*

HIST 233   **(5)**
History of Latin America
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 degree.*

HIST 235   **(5)**
History of Great Britain
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 degree.*

HIST 237   **(5)**
History of Australia and New Zealand
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 degree.*

HIST 240   **(5)**
The Civil War
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 degree.*

HIST 245   **(5)**
The Second World War
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 degree.*

HIST 250   **(5)**
The Vietnam War
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 degree.*

HIST 299   **(1-5)**
Independent Study-History
Permits a student to pursue a special field of interest under the guidance of an instructor. *PREREQUISITE: Five credits of history at the 100 or 200 level plus instructor's permission.*

Humanities (HUMAN)

HUMAN 100   **(5)**
Creative and Critical Thinking
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/fine arts/English requirement for AA degree.*

HUMAN 110   **(5)**
Background for the Humanities
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 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

HUMAN 133   **(5)**
People, Language and Culture
Examines the relationship between language and culture, in particular how the language

of a national or ethnic group provides a key to understanding the people who speak that language. Focuses chiefly on Indo-European (other than English) and East Asian languages and cultures, but specific languages studied may vary from quarter to quarter. *PREREQUISITE: Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

HUMAN 142   **(5)**
Introduction to Japanese Life and Culture
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. *RECOMMEND: College-level reading. PREREQUISITE: Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

HUMAN 146   **(5)**
Introduction to Chinese Culture and Life
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. *RECOMMEND: College-level reading. PREREQUISITE: Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

HUMAN 160   **(5)**
Introduction to the Study of Gender in the Humanities
Examines theoretical concepts and themes 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. 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. *Satisfies a humanities/fine arts/English requirement for AA degree.*

HUMAN 186   **(5)**
Peoples of the World
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/fine arts/English requirement for AA degree.*

HUMAN 190   **(5)**
Latin American Culture Through Literature
Introduces the study of Latin American culture through important works of literature that explores 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 the connection between literature and culture in Latin American countries. Taught in English. *PREREQUISITE: Eligible for ENGL& 101. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

HUMAN 191 (5)
Latin America in Film
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 100. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

HUMAN 194 (5)
Special Studies-Humanities
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 224 (5)
Women and World Religions
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 100. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

Industrial Education (INDUS)

INDUS 090 (1-6)
Technical Skills
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 (4)
Basic Wood Shop
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 degree.*

INDUS 102.1-102.3 (3)
Welding Survey 1-3
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 degree.*

INDUS 103 (4)
Manufacturing Processes
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 degree. This is a pass/no-credit course.*

Industrial Engineering (I E)

I E 114 (4)
CATIA 2-D
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 114.1 (2)
CATIA 2-D
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 ENGL 081 and READ 104; or instructor's permission.*

I E 114.2 (2)
CATIA 2-D
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 solid 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: I E 114.1*

I E 189 (4)
Basic Metallurgy
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 (5)
Statics and Strengths
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. *PREREQUISITE: MATH 116T or equivalent.*

I E 210 (7)
CATIA Modeling
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 (5)
CATIA 3-D Solids
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 or 114.2.*

I E 214.1 (3)
CATIA 3-D Solids 1
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: Instructor's permission.*

I E 214.2 (2)
CATIA 3-D Solids 2
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 214.1.*

I E 215 (4)
CATIA 3-D Surfacing
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 or 214.2.*

I E 215.1   **(2)**
CATIA 3-D Surfacing
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 or 214.2.*

I E 215.2   **(2)**
CATIA 3-D Surfacing
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 215.1.*

Information Literacy (INFO)

INFO 104   **(2)**
Information for the Disciplines
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   **(2)**
Information Literacy and Research Skills
Examines the nature of information and the research process. Topics include locating, retrieving, evaluating, and using information print and electronic resources effetively and ethically.

INFO 126   **(2)**
Information Literacy in the Humanities
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 100. This is a pass/no-credit course.*

INFO 127   **(2)**
Information Literacy in the Social Sciences
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 100. This is a pass/no-credit course.*

INFO 128   **(2)**
Information Literacy for Science/ Engineering/ Business
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 100. This is a pass/no-credit course.*

Information Technology (IT)

IT 101   **(5)**
Introduction to Computer Science
Provides an overview of computer science. Introduces computer hardware, software, procedures and systems, and their applications in various segments of society. Introduces information on careers in software development, networking, security and project management. Also introduces basic MS Office skills. A core prerequisite class for most of the IT courses and tracks usually taken at the beginning of all IT tracks. *PREREQUISITE: Eligible for READ 094 or instructor's permission.*

IT 102   **(5)**
Programming I for Information Professionals
Introduces programming. Covers procedural programming (methods, parameters, return values), basic control structures (sequence, if/then/else, for loop, while loop), file processing, arrays, and introduces defining objects. *PREREQUISITE: Eligible for MATH 097 or instructor's permission.*

IT 114   **(7)**
PC Repair Technician
An entry level course for PC support technicians. Covers entry level PC hardware and software. A hands-on technical troubleshooting course. Includes many of the objectives for the Comp TIA A+ exam. *PREREQUISITE: Eligible for READ 094 or instructor's permission.*

IT 116   **(5)**
PC Support Tech 3 (Windows Application)
A technical introduction to Windows desktop applications for support technicians. Covers the role of the applications from a systems support perspective, user support issues, application installation, application configuration, and other technical issues associated with modern desktop applications. *PREREQUISITE: Eligible for READ 094.*

IT 121   **(5)**
Introduction to HTML
Students learn the most important topics of Hypertext Markup Language (HTML), from the basics of creating web pages with graphics and links using tables, and controlling page layout with frames, to more advanced topics, including cascading style sheets, programming with JavaScript and JavaScript objects and events, and creating a multimedia web page with forms. *PREREQUISITE: IT 101 or instructor's permission.*

IT 131   **(5)**
Networking Infrastructure Fundamentals
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 132   **(2)**
Structured Cabling
Provides individuals who are new to networking with the foundational knowledge of structured cabling. Topics include cabling concepts, detailed cable characteristics of common cabling types, cabling standards, and hands-on experience with cable termination. *PREREQUISITE: IT 101 or IT 114 or IT 131 or instructor's permission.*

IT 133   **(5)**
Introduction to Telecom Systems
An introductory course to telecom and telephone systems for IT administrators. Covers general principles, planning, implementation, and administration of telecom systems.

IT 135   **(5)**
Introduction to Network Security
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. *PREREQUISITE: IT 114 or instructor's permission.*

IT 141   **(4)**
Customer Service and Work Environment for IT Professionals
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. Prepares students to do job searches, prepares resumes and cover letters, and to dress professionally for the work environment. Uses taped practice interview sessions to improve interviewing skills. Students learn proper e-mail techniques and meeting etiquette. *PREREQUISITE: Eligible for READ 094 or instructor's permission.*

IT 145 (5)
Introduction to Microsoft Project
Introduces use of Microsoft Project to manage information technology and other projects from inception to completion. Covers the concepts of project management and applies them to a major IT project. *PREREQUISITE: Eligible for READ 094 or instructor's permission.*

IT 160 (5)
Microsoft Windows (Current Version) Server Implementation
Provides students with the knowledge and skills necessary to install and configure Microsoft Windows (current version) Server to create file, print, web, and Terminal servers. *PREREQUISITE: IT 114 or instructor's permission.*

IT 175 (1-5)
Student Assistant
Student works in the computer lab. Includes assisting with lab activities. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

IT 176 (1-5)
Web Development Work Experience
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: IT 101; and IT 121 or concurrent enrollment. This is a pass/no-credit course.*

IT 177 (1-5)
Network Administration Work Experience
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: IT 131 and (IT 160 or 190) and IT 178 or instructor's permission. This is a pass/no-credit course.*

IT 178 (1-8)
Help Desk Work Experience
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: IT 114 and 141 or instructor's permission. This is a pass/no-credit course.*

IT 179 (1-5)
Network Security Work Experience
Provides individuals who are seeking an IT information assurance technician certification and/ or an AAS degree in Information Technology with critical exposure to network security strategies as they apply in real-world working environments. *PREREQUISITE: IT 114, 131 and 141; or instructor's permission. This is a pass/no-credit course.*

IT 180 (1-5)
Database Development Work Experience
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: IT 201 or concurrent enrollment.*

IT 181 (1-5)
Network Management Work Experience
Provides individuals who are seeking an IT network technician certification and/or an AAS degree in Information Technology with critical exposure to network management strategies as they apply in real-world working environments. *PREREQUISITE: IT 114, 135, and 141 or instructor's permission. This is a pass/no-credit course.*

IT 190 (5)
Linux Administration
Provides hands-on experience in installing and configuring a Linux operating system. Presents principal Linux concepts including essential commands and the command line, file systems, kernel compilation, basic user security, and an introduction to Internet-related services. *PREREQUISITE: IT 101 or IT 114; or instructor's permission.*

IT 194 (5)
Special Topics-Information Technology
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 (5)
Fundamental Database Design
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). Focuses on the industry standard Structured Query Language (SQL) as the means to create, modify, and maintain database tables, queries, views, and constraints. Students learn how to use the enhanced entity relationship (EER) data model to identify entities, stakeholders, and processes of an organization or business. In addition, students learn about how applications such as desktop computer programs, web sites, and mobile device applications access databases to retrieve and store information. Students practice their database design skills through hands-on exercises and labs.

IT 203 (5)
Web Client Development
Students build on their knowledge of HTML and CSS, adding JavaScript to create richly interactive web sites. Introduces client-side JavaScript programming in the context of modern web applications. Students work with third-party JavaScript APIs to integrate components and services, such as social networking, maps, visualization, and payment processing into their web sites. *Prior programming experience (IT 102, CS& 131, CS& 141) is recommended but not required.PREREQUISITE: IT 121 or ART 122 or instructor's permission.*

IT 210 (5)
Managing Cisco Routers and Switches
Focuses on the knowledge and skills to implement and configure switching and routing using Cisco products. Topics include device configuration, virtual local area networks (VLANs), routing protocols, and wide area networking (WAN) technologies. *PREREQUISITE: IT 131 or instructor's permission.*

IT 216 (5)
Implementing Firewalls
A technical introduction to implementing firewalls for IT professionals. Covers the role of the firewalls in a corporate network environment. Detailed coverage of planning, implementing, and maintaining static, dynamic, and application layer firewalls. *PREREQUISITE: IT 131, 135 and 160 or instructor's permission.*

IT 220 (5)
Programming II for Information Professionals
Examines programming using traditional and visual development environments to learn event-driven object-oriented design. *PREREQUISITE: IT 102.*

IT 223 (5)
Active Web Site
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 240 (5)
Manage Microsoft Windows (Current Version) Network Environment
Gives students the ability to administer, support, and troubleshoot information systems that incorporate Microsoft Windows (current version). *PREREQUISITE: IT 131 or instructor's permission.*

IT 243 (5)
Advanced Linux Administration-TCP/IP
Covers advanced Linux administration topics, including web services, DHCP, DNS, LDAP, SSH, routing, SMTP, NFS, and shell scripting. *PREREQUISITE: IT 190 or instructor's permission.*

IT 245 (5)
Implementing and Administering Directory Services
Provides students with the knowledge and skills necessary to install, configure, and administer directory services. Focuses on performing tasks that are required to centrally manage users' computers and resources. *PREREQUISITE: IT 160 or instructor's permission.*

IT 248 (5)
Implementing and Securing Microsoft Applications Services
An overview of Microsoft Windows application services, including Windows Deployment Services, Hyper-V services, high availability, Remote App, Remote Desktop, web services infrastructure, SSL Security, and streaming media. *PREREQUISITE: IT 160 or instructor's permission.*

IT 250 (5)
Implement and Manage Microsoft Exchange (Current Version)
Teaches students the knowledge and skills necessary to install, configure, and administer Microsoft Exchange (current version). *PREREQUISITE: IT 160 or instructor's permission.*

IT 252 (5)
System Administration for Microsoft SQL Server
Provides students with the knowledge and skills required to install, configure, administer, and troubleshoot the current versions of Microsoft SQL Server, client/server, and database management system. *PREREQUISITE: IT 160 or instructor's permission.*

IT 282 (5)
Android Application Development
Introduces the tools and application programming interfaces (APIs) used to build applications for the Android platform. Students bring their skills and knowledge from prior coursework in visual design and computer programming to build Android applications that support touch interface technology and object-oriented design using an event-driven software architecture. *PREREQUISITE: CS& 131 or CS& 141 or instructor's permission.*

IT 283 (5)
iOS Application Development
Introduces the tools and application programming interfaces (APIs) used to build applications for the iPhone and iPad platforms. Students bring their skills and knowledge from prior coursework in visual design and computer programming to build iOS applications that support multi-touch interface technology and object-oriented design using the model-view-controller software architecture. *PREREQUISITE: CS& 131 or CS& 141 or instructor's permission.*

IT 285 (5)
Implementing and Securing Wireless Network
Provides students with the knowledge and skills necessary to install, configure and administer wireless networks. Provides in-depth coverage of various methods of securing wireless networks, including authentication, authorization, and encryption. *PREREQUISITE: IT 131 or instructor's permission.*

IT 297-299 (1-5)
Independent Study-Information Technology 1-3
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 310 (5)
Routing and Switching in the Enterprise
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. *RECOMMEND: IT 210 or equivalent. PREREQUISITE: Admission into the BAS in IT program and instructor's permission.*

IT 335 (5)
Network Security Foundations and Policies
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 the BAS in IT program and instructor's permission.*

IT 340 (5)
Network Security and Firewalls
Equips students with the knowledge and skills needed to prepare for entry-level network security specialist careers. This course is 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: Admission into the BAS in IT program and IT 310; and instructor's permission.*

IT 344 (5)
Virtualization and Storage
Introduces and applies the concepts of server, desktop, and application virtualization, cloud computing, and storage area networks (SANs). *PREREQUISITE: Admission into the BAS in IT program and instructor's permission. RECOMMEND: IT 160 or equivalent.*

IT 360 (5)
Introduction to Computer Forensics and Vulnerability Assessment
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 the BAS in IT program and instructor's permission.*

IT 385 (5)
Scripting for Windows and Linux
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: Admission into the BAS in IT program and instructor's permission.*

IT 390 (5)
Mobile Devices and Wireless Networking in Enterprise
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 the BAS in IT program and instructor's permission.*

IT 410 (5)
Designing and Supporting Computer Networks
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 the BAS in IT program and IT 310 and instructor's permission.*

IT 460 (5)
Threat Analysis
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, IT 360 and IT 385, and instructor's permission.*

IT 490 (5)
Capstone: Network/Security
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: Admission into the BAS in IT program, BUS 340, ENGL 335, and completion of at least 40 credits of upper division IT courses, and instructor's permission.*

Interdisciplinary Science (IDS)

IDS 101 (5)
Interdisciplinary Science I
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 degree.*

IDS 102 (5)
Interdisciplinary Science 2
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 degree.*

IDS 103   (5)
Interdisciplinary Science 3
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 degree.*

Japanese (JAPN)

JAPN& 121   (5)
Japanese I
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 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

JAPN& 122   (5)
Japanese II
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 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

JAPN& 123   (5)
Japanese III
Continues the systematic study of Japanese using the four basic skills of listening, speaking, 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 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

Journalism (JOURN)

JOURN 100.1   (1-5)
Newspaper Laboratory 1
Students write, edit, design, take photographs, cartoon, and produce the print and electronic versions of the student publication, The Current. *PREREQUISITE: CMST 102, ENGL& 101 or JOURN 101 or instructor's permission. Satisfies an activity requirement for AA degree.*

JOURN 100.2   (1-5)
Newspaper Laboratory 2
Students continue to write, edit, design, take photographs, cartoon, and produce the print and electronic 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 100.1.*

JOURN 100.3   (1-5)
Newspaper Laboratory 3
For students who have taken JOURN 100.2. Students continue to write, edit, design, take photographs, cartoon and produce the print and electronic 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 100.2.*

JOURN 101   (5)
Newswriting
Prepares students to write for the media, including newspapers, public relations or online publications. Stresses newswriting 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/fine arts/English requirement for AA degree.*

JOURN 103   (5)
Introduction to Desktop Publishing
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 107   (5)
Introduction to Video Journalism
Introduces students to the art of storytelling, stressing techniques such as narrative journalism, conversational interviewing, use of natural sound and video sequence construction. *Satisfies a humanities/fine arts/English requirement for AA degree.*

JOURN 110   (3-5)
Radio Laboratory 1
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 degree.*

JOURN 111   (3-5)
Radio Laboratory 2
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   (3-5)
Radio Laboratory 3
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   (3-5)
Digital Radio Laboratory 1
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 degree.*

JOURN 121   (3-5)
Digital Radio Laboratory 2
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   (3-5)
Digital Radio Laboratory 3
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   (3)
Introduction to Broadcasting
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/fine arts/English requirement for AA degree.*

JOURN 151   (3)
Radio Production
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/fine arts/English requirement for AA degree.*

JOURN 152   (3)
Radio and the Community
Covers radio management practices emphasizing the business of broadcasting. Includes sales, promotion, community relations, government regulations, demographics and programming. *Satisfies a humanities/fine arts/English requirement for AA degree.*

JOURN 153   (3)
Broadcast Newswriting
Gives students a fundamental working knowledge of newsgathering and newswriting for radio and television. Includes discussions of public affairs, government regulations, and the role of the electronic reporter in society.

JOURN 156 (3)
Broadcast and New Media Announcing
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 (3)
Introduction to Broadcast Technology
Covers basic technical principles and techniques relating to broadcast audio systems, studio operation, and broadcast transmission.

JOURN 177-179 (1-12)
Journalism Work Experience 1-3
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 (1-5)
Independent Study-Journalism 1
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 (1-5)
Independent Study-Journalism 2
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 (1-5)
Advanced Newspaper Laboratory
Includes advanced writing, editing, designing, taking photographs, cartooning, and producing the print and electronic 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 100.1, 100.2, 100.3 and instructor's permission. Satisfies an activity requirement for AA degree.*

JOURN 205 (3-5)
Radio Management
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 (3-5)
Radio Workshop
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 (3-5)
Advanced Radio Workshop
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 (3)
Journalism Internship 1
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 (3)
Journalism Internship 2
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 (3)
Journalism Internship 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 (3)
Advanced Radio Production
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/fine arts/English requirement for AA degree.*

JOURN 255 (3)
Marketing the Broadcast Media
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 (3)
Broadcasting Boot Camp
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 (1)
Broadcasting Traffic Reporting
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 (2)
Introduction to Pro Tools
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 298-299 (1-5)
Independent Study-Journalism 3-4
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.*

Library (LIB)

LIB 100 (2)
Introduction to Libraries and Information Resources
Introduces students to libraries, library organization, and their systems of information storage and retrieval. Focuses on the physical collections and information systems of the Green River Holman Library. *This is a pass/no-credit course.*

Machining and Manufacturing Technology (MFG)

MFG 101 (1-13)
Introduction to Machining and Manufacturing
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 (1-13)
Conventional Milling and Turning
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 (1-13)
Conventional and Computer Numerical Control (CNC) Machining Level 1
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   **(1-13)**
Conventional and CNC Machining Level 2
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   **(1-13)**
Intermediate CNC Machining
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   **(1-13)**
Special Machining Practices
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   **(2)**
Reading Engineering Drawings
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   **(2)**
Applied Materials for Manufacturing
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   **(1-4)**
Training and Practice
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   **(1-13)**
Mastercam Level One
Introduction to Mastercam, including geometry, contouring, and tool paths. No CNC shop machining performed. *PREREQUISITE: Instructor's permission.*

MFG 169   **(1-13)**
Mastercam Level Two
Continuation of beginning Mastercam, including geometry, contouring, and tool paths. No CNC shop machining performed. *PREREQUISITE: Instructor's permission.*

MFG 177   **(1-13)**
Manufacturing Work Experience
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   **(1-13)**
CNC Manufacturing Work Experience
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.*

Mathematics (MATH)

MATH 062   **(5)**
Review of Arithmetic
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: BASIC 053 or appropriate placement test score.*

MATH 062J   **(2)**
Jump Start into Review of Arithmetic
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.*

MATH 062R   **(1-2)**
Review of Arithmetic-Resource Module
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 070   **(5)**
Pre-Algebra
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 placement test score; or high school transcript evaluation.*

MATH 070J   **(2)**
Jump Start into Pre-algebra
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.*

MATH 070R   **(1-2)**
Pre-Algebra-Resource Module
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 072   **(5)**
Elementary Algebra
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. *RECOMMEND: Eligible for READ 104. PREREQUISITE: MATH 070 with a grade of 2.5 or higher; or appropriate placement test score; or high school transcript evaluation.*

MATH 072.1   **(5)**
Extended Elementary Algebra
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.*

MATH 072J   **(2)**
Jump Start into Elementary Algebra
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.*

MATH 072R   **(1-2)**
Elementary Algebra Resource Module
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 085 (5)
Technical Mathematics 1
Study of solving equations, solving formulas, proportions, percents, calculator operations, measurement systems and geometry. For technical students only. *PREREQUISITE: MATH 070 with a grade of 2.5 or higher; or appropriate placement test score; or high school transcript evaluation; or instructor's permission.*

MATH 097 (5)
Intermediate Algebra
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: Either MATH 072, 085, or 116T with a grade of 2.5 or higher; or appropriate placement test score; or high school transcript evaluation. RECOMMEND: Eligible for READ 104.*

MATH 097J (2)
Jump Start into Intermediate Algebra
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.*

MATH 097R (1-2)
Intermediate Algebra-Resource Module
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 106 (5)
Essentials of Pre-Calculus Mathematics
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: Completion of high school pre-calculus with trigonometry with a grade of B average or higher within the last two years; or appropriate placement test score; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 107 (5)
Math in Society
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 placement test score; or high school transcript evaluation. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH 108 (5)
Contemporary Math for Information Technology
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 placement test score; or instructor's permission. Satisfies natural science requirement for AA degree.*

MATH 115T (5)
Technical Algebra/Trigonometry 1
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 placement test score; or high school transcript evaluation; or instructor's permission.*

MATH 116T (5)
Technical Mathematics 2
Study of right and oblique triangles, trigonometric functions, radian measure, vectors, circles, linear and angular velocity, trigonometric identities and equations, and complex numbers and their applications to technical fields. For technical students only. *PREREQUISITE: MATH 085 with a grade of 2.0 or higher; or appropriate placement test score; or high school transcript evaluation; or instructor's permission.*

MATH 117T (5)
Technical Mathematics 3
Study of systems of linear equations, polynomials, factoring, quadratic equations, radical equations, common and natural logarithms, and their applications to technical areas. For technical students only. *PREREQUISITE: MATH 116T with a grade of 2.0 or higher; or high school transcript evaluation; or instructor's permission.*

MATH& 141 (5)
PreCalculus I
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: Either MATH 097 or 117T with a grade of 2.5 or higher; or appropriate placement test score; or high school transcript evaluation. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 142 (5)
PreCalculus II
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*

test score; or high school transcript evaluation. *Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH 147 (5)
Finite Mathematics: Business and Social Science
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 placement test score; or high school transcript evaluation; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 148 (5)
Business Calculus
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 147 with a grade of 2.0 or higher; or appropriate placement test score; or high school transcript evaluation; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 151 (5)
Calculus I
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 test score; or high school transcript evaluation; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 152 (5)
Calculus II
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 placement test score; or high school transcript evaluation; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 153 (5)
Calculus III
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*

placement test score; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.

MATH& 171 (5)
Mathematics for Elementary Education I
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. *PREREQUISITE: MATH 097 with a grade of 2.5 or higher; or appropriate placement test score; or high school transcript evaluation; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree. Formerly MATH 170.*

MATH& 172 (5)
Mathematics for Elementary Education II
Study of geometry and its applications including problem solving techniques and concepts in measurement. Recommended for prospective or practicing elementary and middle school teachers. *PREREQUISITE: MATH& 171 with a grade of 2.0 or higher or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree. Formerly MATH 171.*

MATH& 173 (5)
Mathematics for Elementary Education III
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. *PREREQUISITE: MATH& 171 with a grade of 2.0 or higher or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree. Formerly MATH 172.*

MATH 177-179 (1-12)
Math Work Experience 1-3
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 (1-5)
Special Topics-Mathematics
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 (5)
Discrete Mathematics
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: Either MATH 106 or MATH& 142 with a grade of 2.0 or higher; or appropriate*

placement score; or instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.

MATH 238 (5)
Differential Equations
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 instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH 240 (5)
Topics in Linear Algebra
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 instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH& 254 (5)
Calculus IV
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 instructor's permission. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH 256 (5)
Statistics for Business and Social Science
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: Either MATH& 106, MATH& 141 or MATH 147 with a grade of 2.0 or higher; or instructor's permission. RECOMMEND: Eligible for READ 104. Satisfies a natural science or quantitative skills requirement for AA degree.*

MATH 294 (1-5)
Special Topics in Mathematics
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 (1-5)
Independent Study-Mathematics
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 (5)
Fundamentals of Music
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/fine arts/English requirement for AA degree.*

MUSC 103 (5)
American Popular Music
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/fine arts/English requirement for AA degree.*

MUSC 104 (5)
Music in World Culture
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/fine arts/English requirement for AA degree.*

MUSC& 105 (5)
Music Appreciation
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/fine arts/English requirement for AA degree.*

MUSC 107 (5)
History of Jazz
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/fine arts/English requirement for AA degree.*

MUSC 108 (5)
Introduction to Computer Music
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/fine arts/English requirement for AA degree.*

MUSC 109 (5)
Intermediate Computer Music
A continuation of MUSC 108 with more in-depth study of sequencing software (Reason), including the construction of unique combinations, drum patters 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/ fine arts/English requirement for AA degree.*

MUSC 110   **(5)**
Advanced Computer Music
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/fine arts/ English requirement for AA degree.*

MUSC 118   **(1-3)**
Concert Choir 1
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/fine art/English requirement for AA degree.*

MUSC 119   **(1-3)**
Concert Choir 2
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/fine arts/English requirement for AA degree.*

MUSC 120   **(1-3)**
Concert Choir 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/fine arts/English requirement for AA degree.*

MUSC& 121   **(2)**
Ear Training 1
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/ fine arts/English requirement for AA degree.*

MUSC& 122   **(2)**
Ear Training 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/fine arts/ English requirement for AA degree.*

MUSC& 123   **(2)**
Ear Training 3
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/fine arts/English requirement for AA degree.

MUSC 124   **(5)**
Musical Rehearsal and Performance
Students participate in a musical comedy or drama as a performer or technician. *Satisfies an activity or a humanities/fine arts/English requirement for AA degree.*

MUSC 127   **(1-5)**
Green River Jazz Voices 1
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/fine arts/English requirement for AA degree.*

MUSC 128   **(1-5)**
Green River Jazz Voices 2
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/ fine arts/English requirement for AA degree.*

MUSC 129   **(1-5)**
Green River Jazz Voices 3
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/fine arts/English requirement for AA degree.*

MUSC 130.1   **(1)**
Private Instruction 1
Individual instruction in voice or on any common instrument. *PREREQUISITE: Instructor's permission. Satisfies an activity or a humanities/ fine arts/English requirement for AA degree.*

MUSC 130.2   **(1)**
Private Instruction 2
Individual instruction in voice or on any common instrument. *PREREQUISITE: MUSC 130.1 or instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

MUSC 130.3   **(1)**
Private Instruction 3
Individual instruction in voice or on any common instrument. *PREREQUISITE: MUSC 130.2 or instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

MUSC& 131   **(3)**
Music Theory 1
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/fine arts/English requirement for AA degree.*

MUSC& 132   **(3)**
Music Theory 2
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/fine arts/English requirement for AA degree.*

MUSC& 133   **(3)**
Music Theory 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/fine arts/English requirement for AA degree.*

MUSC 140   **(2)**
Class Piano 1
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/fine arts/English requirement for AA degree.*

MUSC 141   **(2)**
Class Piano 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/fine arts/English requirement for AA degree.*

MUSC 142   **(2)**
Class Piano 3
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/fine arts/English requirement for AA degree.*

MUSC 218   **(1-3)**
Concert Choir 4
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/fine arts/English requirement for AA degree.*

MUSC 219 **(1-3)**
Concert Choir 5
Continuation of MUSC 218. Students study the basics of vocal production. One required evening performance each quarter. *PREREQUISITE: MUSC 218. Satisfies a humanities/fine arts/ English requirement for AA degree.*

MUSC 220 **(1-3)**
Concert Choir 6
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/fine arts/English requirement for AA degree.*

MUSC& 221 **(2)**
Ear Training 4
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/fine arts/English requirement for AA degree.*

MUSC& 222 **(2)**
Ear Training 5
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/fine arts/English requirement for AA degree.*

MUSC 227 **(1-5)**
Green River Jazz Voices 4
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/fine arts/ English requirement for AA degree.*

MUSC 228 **(1-5)**
Green River Jazz Voices 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/fine arts/ English requirement for AA degree.*

MUSC 229 **(1-5)**
Green River Jazz Voices 6
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: MUSIC 228 and instructor's permission. Satisfies a humanities/fine arts/ English requirement for AA degree.*

MUSC 230.1 **(1)**
Private Instruction 4
Individual instruction in voice or on any common instrument. *PREREQUISITE: MUSC 130.3 and instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

MUSC 230.2 **(1)**
Private Instruction 5
Individual instruction in voice or on any common instrument. *PREREQUISITE: MUSC 230.1 and instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

MUSC 230.3 **(1)**
Private Instruction 6
Individual instruction in voice or on any common instrument. *PREREQUISITE: MUSC 230.2 and instructor's permission. Student pays instructor fee. Satisfies humanities/fine arts/English requirement for AA degree.*

MUSC& 231 **(3)**
Music Theory 4
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/fine arts/English requirement for AA degree.*

MUSC& 232 **(3)**
Music Theory 5
Continues where MUSIC& 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/fine arts/ English requirement for AA degree.*

MUSC 298 **(1-5)**
Independent Study-Music 1
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 **(1-5)**
Independent Study-Music 2
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 Resources (NATRS)

NATRS 100 **(5)**
Introduction to Natural Resources
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 fire ecology. Students study forest history, forest policy, and forest ownership. *PREREQUISITE: Eligible for ENGL 100. NATRS 172 or concurrent enrollment and instructor's permission.*

NATRS 114 **(1)**
Chainsaw Operation and Maintenance
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 **(2)**
Aerial Photo Uses and Ground Based Mapping
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 100 and any 100-level MATH course or concurrent enrollment, and instructor's permission.*

NATRS 120 **(5)**
Riparian Restoration
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 **(4)**
Introduction to Community Forestry
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 **(3)**
Urban Ecology
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   (3)
Landscape Planning and Practices
Covers landscape planning and application in municipal, right-of-way, buffers, commercial applications, and parks settings. Covers equipment, safety, environmental laws and regulations, arboriculture, risk management, aesthetics, and forest health. Uses demonstrations and labs inside and outside. *PREREQUISITE: NATRS 121 or instructor's permission.*

NATRS 130   (4)
Wildland Firefighter Training I-100 and S-130/190
Training for Type 2 wildland firefighters in basic firefighting skills. Complies with Northwest Wildfire Coordinating Group standards for I-100, S-130, and S-190 courses. Coursework reviews the ICS organization, terminology, and common responsibilities. Includes standard firefighting orders, watch-out situations, human factors on the fire line, suppression tactics, incident response, basic fire behavior, emergency situations, risk management, and fire weather. Includes a one-day practicum. *This is a pass/no-credit course.*

NATRS 131   (1)
Advanced Wildland Firefighter Training S-131
Sequence training course for Type 2 wildland firefighters in advanced firefighting skills leading to squad boss (FFTI) and incident commander type 5 (ICT5). Complies with Northwest Wildfire Coordinating Group (NWCG) standards for S-131 course. Coursework is interactive and uses group discussions to evaluate documentation, communications, firefighting tactics, and safety/risk management. Requires documented wildfire experience. *PREREQUISITE: NATRS 130 or instructor's permission; or proof of certificate of ICS S-130 & S-190; and wildlife experience as documented in NWCG task book. This is a pass/no-credit course.*

NATRS 132   (2)
Wildland Firefighter Crew Boss S-230
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   (1)
Wildland Firefighter Engine Boss S-231
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   (3)
Intermediate Wildland Fire Behavior S-290
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   (5)
Wildlife Habitat Management
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 100; and NATRS 172; and instructor's permission.*

NATRS 162   (3)
Biology and Conservation of Birds
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 100; and NATRS 172 or concurrent enrollment, and instructor's permission.*

NATRS 172   (4)
Computer Applications Overview
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. *RECOMMEND: NATRS 100 be taken concurrently. PREREQUISITE: Instructor's permission.*

NATRS 180   (7)
Natural Resources Measurement
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 181   (8)
Forest Navigation and Mapping
Teaches the use of compass and chain/tape, mapping, map reading, topography, orientation, area determination, triangulation, the U.S.

survey system, notekeeping, field reporting, GPS (Global Positioning Systems), and pacing. Uses extensive field exercises in individual, team, and group situations. Students conduct open and closed traverses of roads, trails, and areas. *PREREQUISITE: NATRS 180 with a grade of 2.0 or higher; and instructor's permission.*

NATRS 182   (5)
Air Photo Interpretation and Remote Sensing
Studies and uses aerial photographs to interpret vegetation and landforms, measure distance and direction, and to navigate. Surveys remote sensing technologies, GPS and GIS systems. Uses extensive field exercises. Students conduct basic tree measurements. Students apply previously learned mathematical concepts and field skills. *PREREQUISITE: NATRS 181 or concurrent enrollment; and instructor's permission.*

NATRS 183   (5)
Tree and Shrub Identification
Collects specimens and identifies common trees and shrubs 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 184   (5)
Shrub and Wildflower Identification
Collects specimens and identifies common trees, shrubs, and wildflowers 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   (5)
Shrub and Flower Systematics
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 198-199   (1-5)
Independent Study-Natural Resources 1-2
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   (4)
Wildland Recreation
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 100 and NATRS 172; and instructor's permission.*

NATRS 210   (5)
Introduction to Soils
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: BUS E 100 or NATRS 172; and ENGL& 101 or concurrent enrollment, and instructor's permission.*

NATRS 270   **(5)**
Stream and Wetland Ecology
Students gain an understanding of stream, pond, and wetland ecology. Students study stream and wetland dynamics, associated plant and animal ecology, streamflow hydraulics, and Washington Forest Practices Regulations. Students conduct measurements and sampling within ponds, streams, and wetlands with follow-up analysis and reports. *PREREQUISITE: Eligible for ENGL 100 and NATRS 172 and instructor's permission.*

NATRS 271   **(5)**
Stream and Wetland Restoration
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 100, NATRS 100 and 172 or concurrent enrollment; and instructor's permission.*

NATRS 272   **(5)**
Fish Identification and Habitat
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 284   **(6)**
Road and Trail Engineering
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 285   **(5)**
Forest Protection
A study of forest health and the effects of wildfire, insects, disease, animal damage, and abiotic damage on natural resources. Uses classroom, field studies, and library research.

PREREQUISITE: ENGL 100 or concurrent enrollment and NATRS 172 or equivalent and concurrent enrollment.

NATRS 286   **(5)**
Natural Resources Business Principles
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 100 or concurrent enrollment; and NATRS 172 or concurrent enrollment, and instructor's permission.*

NATRS 290   **(1)**
Internship Seminar
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   **(8)**
Resource Sampling and Appraisal
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 gained in previous natural resources courses. *PREREQUISITE: Instructor's permission; and NATRS 181 with a grade of 1.5 or higher; NATRS 182 and 285; or concurrent enrollment.*

NATRS 293   **(5)**
Silvicultural Analysis
Study of silvicultural 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 294.1   **(4)**
Natural Resources Internship 1
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: Instructor's permission. This is a pass/no-credit course.*

NATRS 294.2   **(4)**
Natural Resources Internship 2
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 294.1. 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 294.3   **(3)**
Natural Resources Internship 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 294.2. 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 294.4   **(3)**
Natural Resources Internship 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 three credits by working 99 hours following NATRS 294.3. 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 297-299   **(1-5)**
Independent Study-Natural Resources 4-6
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.*

Natural Science (N SCI)

N SCI 194   **(1-5)**
Special Topics-Natural Science
Offers non-lab science subject matter that is not part of the regular curriculum. Content varies from course to course.

Nurse Assistant (NRS A)

NRS A 110 (6)
Nurse Assistant Theory
Students develop the concepts and knowledge necessary to provide entry level nurse assistant care. *PREREQUISITE: Instructor's permission.*

NRS A 111 (4)
Nurse Assistant Community Lab
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 (2)
Introduction to Nursing Care Studies
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.*

Nursing (NURSE)

NURSE 101 (1)
Introduction to Computers in Nursing
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 (3)
Introduction to Clinical Pharmacology in Nursing
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 103 (2)
Drug Therapy and the Nursing Process
Focuses on the relationship of the nursing process and drug therapy. Includes the principles of medication administration and evaluation of the patient. Presents major drug classifications with related nursing implications. *PREREQUISITE: NURSE 102 or instructor's permission.*

NURSE 104 (6)
Nursing 1-Fundamentals
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 (4)
Community Lab 1
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 (8)
Nursing 2
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 (8)
Nursing 2 Community Lab 2
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 (8)
Nursing 3 Community Lab 3
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 (8)
Nursing 3
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 (6)
Nursing 4
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 (6)
Nursing 4 Community Lab 4
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 (2)
Principles and Practice of Intravenous Therapy
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 (3)
Nursing Issues and Delivery Systems
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 (1)
Health Professionals CPR with AED
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 (2)
AIDS/CPR Safety/Infection Control
Intended for nurse assistant, practical nurse and other personnel in health care settings who need an update in AIDS/HIV and CPR/AED training. Follows American Heart Association protocols.

NURSE 194 (1-6)
Special Studies-Nursing
Enables students to pursue areas of special interest in the nursing field such as gerontology, adult critical care, pediatrics, and fetal monitoring.

NURSE 198 (1-10)
Independent Study-Nursing
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 200 (4)
Nursing 5: Advanced Medical Surgical Nursing
Advanced medical surgical nursing focuses on the application of the nursing process in the care of adults with medically complex health impairments. Nursing theory and evidenced-based concepts utilized will promote and maintain safe and effective health care with culturally diverse patients. Emphasizes the prioritization of care through collaboration with the interdisciplinary health care team, patients, and their families.

NURSE 201 (6)
Nursing 5: Community Lab Nursing
Community lab experience planned concurrently with NURSE 200 in a variety of health care settings. *PREREQUISITE: Unencumbered Practical Nursing License and concurrent enrollment in NURSE 200 and instructor's permission.*

NURSE 202 **(2)**
Advanced Pharmacology
Focuses on pharmacologic principles, indications, nursing implications, and dosage calculations related to drug therapy in the care of individuals with complex health care needs. Emphasizes placed on medications used for clients who have acute or chronic cardiovascular, oncology, or neurological conditions, and individuals with multi-system dysfunction. *PREREQUISITE: Unencumbered Practical Nursing License and instructor's permission.*

NURSE 203 **(2)**
Transcultural and Community Nursing
Provides students with an in-depth study of the humanistic and scientific practices in nursing. Focuses on the differences and similarities among cultures with respect to human care, health, and illness, based upon cultural values, beliefs, and practices. This knowledge is used to provide culturally-specific or culturally-congruent nursing care to individuals, families, and the community. *PREREQUISITE: Unencumbered Practical Nursing License and instructor's permission.*

NURSE 204 **(4)**
Nursing 6: Nursing of Childbearing Families
Nursing interventions focusing on health promotion, restoration, and support to childbearing families. Focuses on the care, counseling, and education of childbearing families. Didactic and clinical learning opportunities focus on nursing practice with expectant mothers, neonates and their families. Provides the theoretical basis for the nursing management of developmental and pathological human responses related to healthy and high-risk childbearing families. *PREREQUISITE: Unencumbered Practical Nursing License and successful completion of NURSE 200, 201, 202, and 203; and instructor's permission.*

NURSE 205 **(6)**
Nursing 6: Community Lab
Lab experience planned concurrently with NURSE 204 in campus lab and clinical settings. *PREREQUISITE: Unencumbered Practical Nursing License and successful completion of NURSE 200, 201, 202, and 203; and instructor's permission.*

NURSE 206 **(2)**
Professionalism and Leadership in Nursing
Focuses on current nursing issues with an emphasis on legal, ethical and political processes on professional nursing care and health care delivery. Responsibility for continued professional development is emphasized with an opportunity to explore management and leadership within an area of interest. *PREREQUISITE: Unencumbered Practical Nursing License and instructor's permission.*

NURSE 207 **(4)**
Nursing 7: Mental Health Nursing
Course furthers the student's knowledge in psychiatric function and those associated disorders commonly encountered in nursing practice. Covers illness, illness prevention, and health promotion for individuals, families, and groups experiencing actual or potential alterations in mental health. *PREREQUISITE: Unencumbered Practical Nursing License and instructor's permission.*

NURSE 208 **(6)**
Nursing 7: Community Lab
Community lab experience planned concurrently with NURSE 207 in a variety of health care settings. *PREREQUISITE: Unencumbered Practical Nursing License and concurrent enrollment in NURSE 207 and instructor's permission.*

NURSE 209 **(2)**
Introduction to Nursing Informatics
Introduces nursing students to the application of computer technology to the health care profession. *PREREQUISITE: Unencumbered Practical Nursing License and instructor's permission.*

NURSE 294 **(1-6)**
Special Studies in Nursing 2
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.

Nutrition (NUTR)

NUTR& 101 **(5)**
Nutrition
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 degree.*

Occupational Therapy (O T)

O T 100 **(3)**
Introduction to Occupational Therapy
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.*

O T 105 **(2)**
Clinical Seminar 1
Teaches students the basics of client-therapist interaction, documentation, clinical issues, and therapeutic techniques. Includes weekly discussion of concurrent clinical experiences. *PREREQUISITE: Instructor's permission and concurrent enrollment in O T 177.*

O T 110 **(4)**
Fundamentals of Occupational Therapy as Health Care Providers
Students learn basic patient-therapist interaction and communication skills, introductory use of medical terminology, patient confidentiality and HIPPA rules, infection control and blood borne pathogens guidelines, and time management skills. Students earn CPR and basic First Aid certificates, and HIV/AIDS certification. *PREREQUISITE: Instructor's permission.*

O T 112 **(5)**
Developmental Disabilities
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: Instructor's permission.*

O T 114 **(5)**
Physical Disabilities 1
Study of anatomical, physiological and pathological factors relative to specific clinical conditions. Includes a study of basic treatment theory and techniques. Lab allows for practical experience in patient assessment, transfers and daily living skills. *PREREQUISITE: AP 103 or BIOL& 241; and instructor's permission.*

O T 115 **(3)**
Therapeutic Activities 1
Study of techniques and assessments used in a therapeutic environment. Includes basic therapeutic craft techniques, body mechanics with videotaping, hand function assessments, visual impairments, and homemaking adaptations. *PREREQUISITE: Instructor's permission.*

O T 116 **(5)**
Physical Disabilities 2
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: AP 104 or BIOL& 242 or instructor's permission.*

O T 118 **(4)**
Psychosocial Dysfunction
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: Instructor's permission.*

O T 120 (1)
Professional Advocacy Experience
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.*

O T 177 (1)
Application of OT Co-op Experience 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: Instructor's permission. This is a pass/no-credit course.*

O T 178 (1)
Application of O T Co-op Experience 2
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: Instructor permission and concurrent enrollment in O T 206. This is a pass/no-credit course.*

O T 194 (1-2)
Special Topics-Occupational Therapy
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.*

O T 198 (1)
Independent Study-Occupational Therapy
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 remediate deficient areas. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

O T 200 (3)
Therapeutic Activities 1
A hands-on course that provides students with the opportunity to complete intervention implementation through activities focusing on remediation or compensation to facilitate occupation performance. Focuses on task analysis, adaption of the work place and the teaching-learning process with client, educators and other health care providers. *PREREQUISITE: Instructor's permission.*

O T 202 (3)
Ethics, Society, and Professional Practice
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.*

O T 223 (5)
Therapeutic Practices in Occupational Therapy
An advanced level course that incorporates the application of theories, models of practice, and frames of reference in the analysis, selection and use of activities in a therapeutic environment while addressing the needs of diverse patient populations. Emphasis is placed on the application of the OT Practice Framework in the development of intervention targeting 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: O T 114 and 118.*

O T 225 (1)
Clinical Seminar 2
Students learn basics of patient-therapist interaction, documentation, clinical issues, and therapeutic techniques. Also includes weekly discussion of concurrent clinical experiences. *PREREQUISITE: Instructor's permission, and concurrent enrollment in O T 178.*

O T 230 (2)
Therapeutic Group Leadership
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: Instructor's permission.*

O T 235 (3)
Therapeutic Activities 2
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.*

O T 240 (5)
Therapeutic Adaptations
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.*

O T 245 (2)
Pre-Fieldwork Experience Seminar
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.*

O T 250 (1)
Fieldwork Experience Seminar 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: Instructor's permission and concurrent enrollment in O T 277.*

O T 251 (1)
Fieldwork Experience Seminar 2
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: Instructor's permission and concurrent enrollment in O T 278.*

O T 277 (11)
Co-op Fieldwork Experience 1
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: Instructor's permission and concurrent enrollment in O T 250. This is a pass/no-credit course.*

O T 278 (11)
Co-op Fieldwork Experience 2
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: O T 277 and instructor's permission and concurrent enrollment in O T 251. This is a pass/no-credit course.*

Oceanography (OCEA)

OCEA& 101 (5)
Introduction to Oceanography
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 degree.*

Parent Child Education (PCE)

PCE 112-113 (2)
Parent-Child Education (0-1 year old)
Through discussion and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children age birth-12 months. Topics for discussion include growth and development, temperament, sleep, nutrition and child safety. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

PCE 122-124 (2)
Parent-Child Education (1-2 year old)
Through group discussion and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children aged 12-24 months. Topics for discussion include growth and development, guidance and discipline, temperament, and language development. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

PCE 132-134 (2)
Parent-Child Education (2-3 years old)
Through group discussion and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children aged 24-36 months. Topics for discussion include growth and development, guidance and discipline, and play and learning. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

PCE 142-144 (2)
Parent-Child Education (3-4 years old)
Through lecture, group discussion, and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children aged 36-48 months. Topics for discussion include growth and development, guidance and discipline, family communication, and building self-esteem. *PREREQUISITE: Instructor's permission.*

PCE 145-147 (2)
Parent-Child Education (3-6 years old)
Through lecture, group discussion, and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children aged 36-72 months. Topics for discussion include growth and development, guidance and discipline, and family communication. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

PCE 152-154 (2)
Parent-Child Education (4-5 years old)
Through lecture, group discussion, and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children aged 4-5 years. Topics for discussion include growth and development, guidance and discipline, family communication, building self-esteem, and school readiness. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

PCE 155-157 (1)
Parent-Child Education (4-6 years old)
Through lecture, group discussion, and laboratory experience, parents explore concepts and learn skills to improve parenting practices with children aged 4-6 years. Discussion and lab activities focus on literacy. *PREREQUISITE: Instructor's permission. This is a pass/no-credit course.*

Philosophy (PHIL)

PHIL& 101 (5)
Introduction to Philosophy
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 102 (5)
Contemporary Moral Problems
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 103 (5)
Historical Survey-Ancient Philosophy
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 104 (5)
Historical Survey-Medieval Philosophy
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 105 (5)
Historical Survey-Modern Philosophy
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 110 (5)
Social and Political Philosophy
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 112 (5)
Ethics in the Workplace
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 114 (5)
Philosophical Issues in Law
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 115 (5)
Critical Thinking
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, such as in conversations, television presentations, political speeches, editorials, and other writings on various topics. *PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL& 120 (5)
Symbolic Logic
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. Satisfies a natural science requirement or, under certain conditions, the quantitative component of the basic skills requirement for AA degree.*

PHIL 160 (5)
Introduction to the Philosophy of Science
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 100 or instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

PHIL 194 (3-5)
Special Topics-Philosophy
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 100 or instructor's permission.*

PHIL 199 (1-5)
Independent Study-Philosophy 1
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 100 or instructor's permission.*

PHIL 200 (5)
Introduction to the Philosophy of Religion
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 206 (5)
Gender and Philosophy
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirement for AA degree.*

PHIL 210 (5)
Comparative Religion
Introduces students to the main religions of the world, including Judaism, Christianity, Buddhism, Hinduism, Zoroastrianism, and Jainism. Helps students to understand the philosophical similarities and differences among these religions. *PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 215 (5)
Advanced Studies in Formal Logic
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 degree.*

PHIL 220 (5)
Introduction to Eastern Philosophy
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 100 or instructor's permission. Satisfies a humanities/ fine arts/English requirement for AA degree.*

PHIL 236 (5)
Existentialism
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 238 (5)
Introduction to Philosophy of Human Rights
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 100 or instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

PHIL 240 (5)
Introduction to Ethics
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 243 (5)
Environmental Ethics
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 100 or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

PHIL 299 (1-5)
Independent Study-Philosophy 2
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 100 or instructor's permission.*

PHIL 412 (5)
Professional Ethics
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 program; ENGL& 101; and instructor's permission.*

Photography (PHOTO)

PHOTO 101 (5)
Beginning Black and White Photography
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/fine arts/English requirement for AA degree.*

PHOTO 102 (5)
Intermediate Photography
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/fine arts/English requirement for AA degree.*

PHOTO 103 (5)
Advanced Photography
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/fine arts/English requirement for AA degree.*

PHOTO 111 (5)
Beginning Digital Photography
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/fine arts/English requirement for AA degree.*

PHOTO 112 (5)
Intermediate Digital Photography
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.*

PHOTO 113 (5)
Advanced Digital Photography
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 degree.*

PHOTO 197 (1-5)
Independent Study-Photography
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 (2)
Physical Fitness Lab
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 degree.*

P E 102 (2)
Jogging
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 degree.*

P E 103 (3)
Total Physical Fitness
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 degree.*

P E 107 (1)
Basketball
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 (1)
Tennis
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 (3)
Court Games
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 (1)
Golf
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 (2)
Aerobic Walking
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 degree.*

P E 112 (1)
Karate
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 (1)
Group Dynamic Activities
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 (1)
Cardio Conditioning
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 (1)
Kick-Box Aerobics
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 117 (1)
Badminton/Pickleball
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 (1)
Volleyball
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 (1)
Intermediate and Advanced Volleyball
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 (1)
Badminton
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   (1)
Archery
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   (1)
Indoor Soccer
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   (1)
Soccer
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   (1)
Slow Pitch
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   (1)
Pickleball
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   (2)
Weight Training
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 degree.*

P E 132   (1)
Strength Conditioning
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   (1)
Tai Chi 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   (1)
Yoga 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   (1)
Body Toning
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   (1)
Aerobic Dance
Focuses on cardiorespiratory fitness using high and low impact aerobic 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   (1)
Step Aerobics
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   (1)
Step and Weights
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   (1)
Qi Gong
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   (1)
Karate and Kick-Box Aerobics
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   (1)
Cross-Training
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   (1)
Pilates/Yoga
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   (1)
CORE Training
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   (2)
CORE Training for Health
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 degree.*

P E 150   (1)
Intermediate Basketball
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   (1)
Cardio Fusion
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   (3)
Exercise and Nutrition
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 degree.*

P E 165   (3)
Exercise and Health
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 degree.*

P E 169 (3)
Fitness and Health
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 degree.*

P E 193 (1-2)
Field Hiking
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 (1-3)
Independent Study-Physical Education 1
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 (2)
Advanced Physical Fitness Lab
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 (2)
Physical Fitness Lab
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 (1)
Advanced Basketball
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 (1)
Intermediate Golf
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 (1)
Advanced Tennis
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 (2)
Advanced Jogging
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 (2)
Advanced Aerobic Walking
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 (1)
Advanced Karate
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 224 (1)
Advanced Soccer
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 (2)
Advanced Weight Training
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 (1)
Tai Chi 2
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 (1)
Yoga 2
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 (1)
Advanced Body Toning
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 248 (1)
Advanced Core Training
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 (2)
Advanced Sport Conditioning
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 (3)
Advanced Total Physical Fitness
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 (1)
Advanced Cardio Fusion
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 (1-3)
Independent Study-Physical Education 2
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 (3)
Introduction to Physical Therapy
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 (2)
Therapeutic Interaction in Health Care
Explores the skills, behaviors, and attitudes necessary for effective patient-practitioner interaction, peer interaction and team participation. *PREREQUISITE: Instructor's permission.*

PTA 105 (3)
Patient Care Skills
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 (5)
Principles of Physical Therapy Agents I
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.*

PTA 111 (6)
Principles of Physical Therapy Agents 2
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.*

PTA 113 (4)
Posture and Movement
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.*

PTA 114 (2)
Tests and Measurements
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.*

PTA 130 (3)
Survey of Pathophysiology 1
Introduces disease processes and their effects on rehabilitation. Includes general pathology and descriptions of specific diseases, medications, lab values, and diagnostic tests. *PREREQUISITE: H SCI 102.*

PTA 131 (2)
Survey of Pathophysiology 2
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 (1)
Clinical Preparation
Discusses topics that prepare students for clinical experience including the development of an individualized clinical education plan. *PREREQUISITE: PTA 110.*

PTA 199 (1-8)
Independent Study-Physical Therapy
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 (3)
Issues in Health Care
Study of the relationship of medical, legal and socioeconomic issues to the practice of physical therapy. Discussion of related topics in health care to physical therapist assistant practice, and explores management concerns and fiscal issues in physical therapy.

PTA 205 (2)
Functional Training
Covers the study of and application of functional training techniques used in the treatment of physical dysfunction. *PREREQUISITE: H SCI 101.*

PTA 210 (5)
Therapeutic Exercise
Focuses on theory and principles of therapeutic exercise and selected kinesiologic and neurologic principles related to therapeutic exercise. *PREREQUISITE: PTA 114.*

PTA 211 (6)
Advanced Rehab Procedures
Focuses on advanced procedures and techniques applied to the treatment of specific impairments primarily of neurologic origin. *PREREQUISITE: PTA 210.*

PTA 212 (3)
Acute Care
Explores physical therapy in acute care including cardiac care, pulmonary care, burn care and geriatrics. *PREREQUISITE: PTA 130.*

PTA 213 (5)
Orthopedic Therapy
Explores orthopedic pathology and common diagnostic procedures. Covers the study of therapeutic exercise, manual techniques, and principles of tissue healing in relationship to orthopedic conditions encountered in the practice of physical therapy. *PREREQUISITE: PTA 210.*

PTA 251 (1)
Clinical Supervision 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 (1)
Clinical Supervision 2
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 (1)
Clinical Supervision 3
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 277 (1)
Clinical Affiliation 1
Supervised clinical experiences are to familiarize the student with a clinical setting in which physical therapy is practiced. Students are expected to actively participate in patient care, applying knowledge and skills from coursework. *PREREQUISITE: Concurrent enrollment in PTA 253. This is a pass/no-credit course.*

PTA 278 (1)
Clinical Affiliation 2
Supervised clinical experiences are to familiarize the student with a clinical setting in which physical therapy is practiced. 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 278. This is a pass/no-credit course.*

PTA 279 (7)
Clinical Affiliation 3
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 (7)
Clinical Affiliation 4
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 (5)
Twenty-First Century Physics for Everyone
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 degree.*

PHYS& 110 (5)
Concepts of the Physical World
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 degree.*

PHYS& 114 (5)
General Physics I with Lab
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 116T; or 1-1/2 years of high school algebra. Satisfies a lab or natural science requirement for AA degree. Formerly PHYS 110.*

PHYS& 115 (5)
General Physics II with Lab
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 117T, or 1-1/2 years of high school algebra. Satisfies a lab or natural science requirement for AA degree. Formerly PHYS 111.*

PHYS& 116 (5)
General Physics III with Lab
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, 117T or 1-1/2 years of high school Algebra. Satisfies a lab or natural science requirement for AA degree. Formerly PHYS 112.*

PHYS 154 (5)
Physics for the Life Sciences 1
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 MATH 116T or 1-1/2 years of high school Algebra. Satisfies a lab or natural science requirement for AA degree. Formerly PHYS 150.*

PHYS 155 (5)
Physics for the Life Sciences 2
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 degree. Formerly PHYS 151.*

PHYS 156 (5)
Physics for the Life Sciences 3
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 116T, or 1 1/2 years of high school algebra. Satisfies a lab or natural science requirement for AA degree. Formerly PHYS 152.*

PHYS 225 (3)
Modern Physics
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 degree.

PHYS& 221 (5)
Engineering Physics I with Lab
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 of MATH& 151. Satisfies a lab or natural science requirement for AA degree. Formerly PHYS 201.*

PHYS& 222 (5)
Engineering Physics II with Lab
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 degree. Formerly PHYS 202.*

PHYS& 223 (5)
Engineering Physics III with Lab
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 degree. Formerly PHYS 203.*

PHYS 229 (2)
Electric and Magnetic Fields
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 degree. Formerly PHYS 208.*

PHYS 298 (1-5)
Independent Study-Physics
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 (5)
Introduction to Political Science
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 100 or instructor's permission. Satisfies social science requirement for AA degree.*

POLS 194 **(5)**
Special Topics–Political Science
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 100 and instructor's permission required for individual researcher projects.*

POLS& 200 **(5)**
Introduction to Law
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 degree.*

POLS& 202 **(5)**
American Government
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 degree.*

POLS& 203 **(5)**
International Relations
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 degree.*

POLS& 204 **(5)**
Comparative Government
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 degree.*

POLS 207 **(5)**
American Political Participation
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 degree.*

POLS 209 **(5)**
State and Local Government Politics
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 degree.*

POLS 298 **(1-5)**
Independent Study–Political Science
Enables students to individually pursue special interests or opportunities to study in political science under guidance of an instructor. *PREREQUISITE: POLS& 101 or 202, or instructor's permission.*

Prior Learning Assessment (PLA)

PLA 099 **(1-2)**
Independent Study-Prior Learning Assessment
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 transcripted on a notation basis. *This is a pass/no-credit course.*

Psychology (PSYC)

PSYC& 100 **(5)**
General Psychology
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

PSYC& 180 **(5)**
Human Sexuality
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

PSYC& 200 **(5)**
Lifespan Psychology
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 degree.*

PSYC 201 **(5)**
Personality
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 degree.*

PSYC 209 **(5)**
Fundamental of Psychological Research
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 degree.

PSYC& 220 (5)
Abnormal Psychology
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 degree.*

PSYC 225 (5)
Fundamentals of Physiological Psychology
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 degree.*

PSYC 240 (5)
Social Psychology
Covers theories and supporting research that explore the area of social psychology. Topics may include the social self, stereotypes, prejudice and discrimination, attitudes, persuasion, group influence, conformity and obedience, attraction and close relationships, aggression and helping others. *PREREQUISITE: PSYC& 100. Satisfies a social science requirement for AA degree.*

PSYC 298 (1-5)
Independent Study-Psychology 1
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 (1-5)
Independent Study-Psychology 2
Continues project started in PSYC 298, or a second project. *PREREQUISITE: PSYC 298 and instructor's permission.*

Reading (READ)

READ 083.1-083.3 (1)
Reading Proficiency 1-3
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 (5)
Reading Essentials
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 (5)
Reading Improvement
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: Completion of READ 084 with a grade of 2.0 or higher; or appropriate placement score; or instructor's permission.*

READ 104 (5)
Reading Mastery
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: Completion of READ 094 with a grade of 2.0 or higher; or appropriate placement score; or instructor's permission.*

Real Estate (R EST)

R EST 101 (3)
Real Estate Fundamentals 1
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 (3)
Real Estate Fundamentals 2
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 104 (1)
Real Estate Examination Preparation
Entire 10 hours of instruction focuses on topical matters associated with preparation for licensing exams. *PREREQUISITE: R EST 101.*

R EST 110 (2)
Varies
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 (3)
Real Estate Law
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 (3)
Residential Appraisal
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 (3)
Real Estate Sales Practices
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 (3)
Real Estate Finance
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 (3)
Investment/Commercial Appraisal
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 (3)
Real Estate Property Management
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 (3)
Office Administration
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 205 (2)
Appraisal Standards and Ethics
A brief review of the principles of appraising, the appraisal process, the Appraisal Foundation, the Uniform Standards of Professional Appraisal, Title XI of FIRREA and a review of the various advisory opinions issued by the Appraisal Foundation since the implementation of USPAP. Meets the Washington State Department of Licensing Real Estate Appraiser certification prerequisite of 15 classroom hours on the topic.

R EST 206 (3)
Market Data Analysis
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 (3)
Residential Appraisal Report Writing
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.

Social Science (S SCI)

S SCI 160 (5)
Introduction to the Study of Gender
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 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

S SCI 177-178 (1-12)
Social Science Work Experience 1-3
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 100 and concurrent enrollment in COOP 171 and instructor's permission.*

S SCI 194 (1-5)
Special Topics-Social Science
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 (5)
Nuu-Chah-Nulth Indians
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 degree.*

Sociology (SOC)

SOC& 101 (5)
Introduction to Sociology
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. *RECOMMEND: Eligible for ENGL& 101. PREREQUISITE: Eligible for ENGL 100 or instructor's permission. Satisfies a social science requirement for AA degree.*

SOC 194 (1-5)
Special Topics-Sociology
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 100 or instructor's permission.*

SOC& 201 (5)
Social Problems
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 degree.*

SOC 202 (5)
Sociology of Food
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 degree.*

SOC 205 (5)
Sociology of Disability
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 degree.*

SOC 215 (5)
Survey of Criminology
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 degree.*

SOC 220 (5)
Sex and Gender in Society
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 degree.*

SOC 230 (5)
Sociology of Death and Dying
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 degree.*

SOC 240 (5)
Sociology of the Family
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 degree.*

SOC 245 (5)
Juvenile Delinquency
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 degree.*

SOC 260 (5)
Crime and Justice
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 degree.*

SOC 298 (1-5)
Independent Study-Sociology
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 (3)
Spanish for the Traveler 1
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 (4)
Spanish Oral Practice
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 100 and SPAN& 122, or two years of high school Spanish or equivalent or instructor's permission. Satisfies a humanities/fine arts/English requirement for AA degree.*

SPAN 111 (5)
Spanish for Health Care Workers
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 100.*

SPAN 112 (5)
Spanish for Health Care Workers
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 100 and SPAN 111 with a grade of 2.0 or higher.*

SPAN 115 (1)
Hispanic Activities
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 100. Satisfies an activity requirement for AA degree.*

SPAN& 121 (5)
Spanish I
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: 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. Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

SPAN& 122 (5)
Spanish II
Systematic study of Spanish using the four basic skills of listening, speaking, reading and writing. Course requires practice with lab materials. *PREREQUISITE: A grade of 2.0 or higher in SPAN& 121 or equivalent with instructor permission. The equivalent of SPAN& 121 is one year in high school with a grade of B or higher. Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

SPAN& 123 (5)
Spanish III
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: A grade of 2.0 or higher in SPAN& 122 or equivalent with instructor permission. The equivalent of SPAN& 122 is two years in high school with a grade of B or higher. Eligible for ENGL 100. Satisfies a humanities/fine arts/English requirement for AA degree.*

SPAN 194 (3-5)
Special Studies-Spanish
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 &122 or instructor's permission. Eligible for ENGL 100.*

SPAN& 221 (5)
Spanish IV
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 100 and a grade of 2.0 or higher in SPAN& 123 or equivalent with instructor permission. The equivalent of SPAN& 123 is three years in high school with a grade of B or higher. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

SPAN& 222 (5)
Spanish V
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 100 and a grade of 2.0 or higher in SPAN& 221 or equivalent with instructor permission. The equivalent of SPAN& 221 is four years in high school with a grade of B or above higher. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

SPAN& 223 (5)
Spanish VI
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 100 and a grade of 2.0 or higher in SPAN& 222 or equivalent with instructor's permission. Satisfies a humanities/fine arts/English and the diversity course requirements for AA degree.*

SPAN 299 **(1-5)**
Independent Study-Spanish
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 100 and a grade of 2.0 or higher in SPAN& 222 or equivalent with instructor's permission.*

Study Skills (ST SK)

ST SK 101 **(3)**
Study Skills for the Social Sciences
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 **(1)**
Study- Reading Techniques in Science
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 **(1)**
Orientation to College
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 **(2)**
College Survival
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 **(5)**
College Success Strategies
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 **(1-3)**
Independent Study-Study Skills
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 **(2)**
Careers for the New Millennium
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 degree. This is a pass/no-credit course.*

Water Supply Technology (WST)

WST 177 **(1-12)**
Wastewater Cooperative Education
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 **(3)**
Water Distribution
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, 100, 109, ENGL &101 or eligible for ENGL 100.*

WST 183 **(1)**
Water Sources
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, 100, 109, ENGL&101 or eligible for ENGL 100.*

WST 184 **(2)**
Water Regulations
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, 100, 109, ENGL&101 or eligible for ENGL 100.*

WST 185 **(3)**
Water Treatment 1
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, 100, 109, ENGL& 101, or eligible for ENGL 100.*

WST 186 **(3)**
Water Treatment 2
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 **(2)**
Water Laboratory
Uses theory, performance, and interpretation of basic water laboratory procedures to assess water quality. Topics include safety, sampling, alkalinity, harness, pH, coliform, jar testing, turbidity, chlorine residual, and advanced water testing procedures.

WST 199 **(1-5)**
Independent Study-Water Supply Technology
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 **(3)**
Water Hydraulics
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 **(3)**
Pumps and Pumping Systems
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   **(3)**
Utility Worker Safety
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   **(3)**
Disinfection and Chemical Feed Systems
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   **(3)**
Water and Wastewater Applied Problems
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   **(3)**
Drawings and Manuals
Includes interpretation of maps, drawings, and operation and maintenance manuals as these activities relate to the water and wastewater technology field.

WTECH 188   **(3)**
Water and Wastewater Electrical
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   **(3)**
Pre-Employment Seminar
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.

Wastewater Technology (WWT)

WWT 172   **(1)**
Industrial Wastewater Instrumentation
Covers basic concepts and industry practices regarding wastewater treatment instrumentation measuring systems and their associated control systems.

WWT 174   **(1)**
Industrial Wastewater Regulations
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   **(2)**
Industrial Wastewater Treatment Processes 1
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   **(2)**
Industrial Wastewater Treatment Processes 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   **(1-12)**
Wastewater Cooperative Education
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   **(3)**
Wastewater Collection
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   **(3)**
Municipal Wastewater Treatment 1
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 081,100,109 or ENGL& 101 or eligible for ENGL 100.*

WWT 186   **(3)**
Municipal Wastewater Treatment 2
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   **(2)**
Wastewater Laboratory
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   **(1-5)**
Independent Study-Wastewater Technology
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.*

Welding (WELD)

WELD 103   **(3)**
Special Welding
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   **(3)**
Basic Blueprint Reading
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   **(1-13)**
Basic Arc Weld and Flame Cutting
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 **(1-13)**
Intermediate Welding
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 **(1-13)**
Advanced Arc Welding
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 177-179 **(1-12)**
Welding Work Experience 1-3
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 **(1-13)**
Special Welding Project 1
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 **(1-13)**
Special Welding Project 2
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 **(1-13)**
Special Welding Project 3
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.*

FACULTY AND ADMINISTRATION

Avis Adams, English, A.A., Green River Community College; B.A., University of Washington; M.A., Central Washington University

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Wendy Lundquist, Chemistry, B.S., University of Washington; M.S., Cornell University; M.B.A., University of Phoenix

Steve Lynch, High School Completion, Adult Basic Education, B.A., College of Wooster; M.Ed., Pacific Lutheran University

Marjorie MacKenzie, Reference and Instruction Librarian, B.A.; M. Libn., University of Washington

Krishnan Mahadevan, B.E.E.E., Anna University, Chennai, India; M.S.E.E., Wayne State University

Ken Marr, Biology and Chemistry, A.A., DeAnza Community College; B.A., M.A., University of California-Santa Barbara

Jerry Marshall, Psychology and e-Learning, B.S., University of Pittsburgh; Ph.D., University of Texas

Michelle Marshman, History, B.A., Seattle Pacific University; Ph.D., University of California, Riverside

Glen Martin, Carpentry Technology, A.A., A.A.S., Green River Community College; B.A.Ed., Central Washington University; Experienced Carpenter

Joanne Martin, Dean of Student Success and Retention, B.S., California Polytechnic State University San Luis Obispo; M.A., Seattle University

Tonya McCabe, Business Education, A.A.S., Wenatchee Valley College; B.A. University of Washington; M.A., Gonzaga University

Jeff McCauley, Engineering, B.S.M.E., University of Kansas; M.S.M.E., Naval Post Graduate School

Tim McDaniel, Intensive English as a Second Language, B.A., M.A., University of Washington

Christine McMullin, Director of TRiO Student Support Services, B.A., Alma College; M.A., Bowling Green State University

Michael McVay, Biology, A.S., Big Bend Community College; B.S., M.S., Washington State University; Ph.D., University of Kentucky

Mariena Mears, Interim Dean of Health Sciences and Education, RNC, MSN University of Phoenix

Paul A. Metivier, Ceramics, A.A., Orange Coast Community College; B.F.A., California State University Long Beach; M.F.A., University of Washington

Lara Michaels, Mathematics, B.S., University of Utah; Ph.D., University of Texas-Austin

Mark Millbauer, Auto Body Technology, Certificate of Completion, Columbia Basin College; Journeyman Auto Body Technician; ASE Master Technician

Rochelle Mitchell, Mathematics, B.A., St. Martin's College; M.S., Western Washington University

Julie Moore, English, B.A., University of Puget Sound; M.A., Graduate Certificate in Community and Technical College Teaching, Western Washington University

Leslie Moore, Dean for Branch Campuses and Continuing Studies, B.A., Alma College; M.Ed., University of Puget Sound

Laura Moore-Mueller, Mathematics, B.S., University of Puget Sound; M.S., Oregon State University

Michael Moreno, English, B.A., St. Mary's College of California; M.A. San Francisco State University; M.A., Ph.D., University of California Riverside

Camella Morgan, Executive Director of Information Technology

Jay Mueller, Chemistry, B.A., The Catholic University of America; Ph.D., Rice University

Dave Mullet, Anatomy and Physiology, B.A., University of Washington

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Bjorn Myhre, Director of International Recruitment, B.A., University of Wisconsin, Eau Claire; M.A., Pacific Lutheran University

Ajay Narayanan, Physics, B.S., M.Sc., University of Bombay; Ph.D., University of Arizona

Patrick Navin, Photography, B.A., University of Wisconsin-Green Bay; M.A., M.F.A., University of Iowa

David Nelson, Mathematics, B.S., Washington State University; M.S., Western Washington University

Eric Nelson, English, B.A., Iowa State University; B.F.A., University of Washington; M.A., University of Texas-Austin

David Norberg, History, B.A., University of Washington; M.A., Western Washington University

Nicole Niesulowski, Accounting, B.A., M.A., University of Washington

Gary Oliveira, Art, B.F.A., University of Dayton; M.F.A., Massachusetts College of Art

Donette Parry, Physical Therapy, A.A., Spokane Falls Community College; A.A.S., Green River Community College; B.A., University of Washington

Gary Peitsch, Intensive English as a Second Language, B.A., University of Michigan; M.A., Eastern Michigan University

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Carol Perdue, Reading, Study Skills, B.S., M.Ed., Washington State University

Jeff Perlot, Business Management, B.A., University of Washington; M.B.A., California State University, Dominguez Hills

Melissa Porras-Monroe, Occupational Therapy, B.A., University of Puget Sound

Sarah Postel, Director of the Welcome Center, B.A., Seattle University; M.Ed., Seattle University

Richard Potsubay, English, B.A., University of Iowa; M.Ed., Western Washington University

Brenda Praggastis, Mathematics, B.S., M.A., State University of New York at Stony Brook; Ph.D., University of Washington

Frank Primiani, Business Law, B.S., University of Washington; J.D., Seattle University, School of Law

Cynthia Rapier, Director of International Housing, A.A., Los Medanos Community College

Lori Rapozo, Computer Reporting Technologies, A.A.A., Green River Community College; CCR; RPR; Certificate of Proficiency In Court Reporting; CRI, RMR-WKT

Pam Reising, Mathematics, B.S., M.A., Ohio State University

Cynthia Requa, Director of Institutional Research, B.A., University of Washington

Ron Riley, Criminal Justice, B.A., University of Puget Sound; M.A., Boston University

Jennifer Rohan, Librarian, B.A., University of California, Los Angeles; M.L.I.S., University of Washington

Harry Rosemond, Reading, Study Skills, B.A., University of Denver; M.A., California State University-Los Angeles

Amanda Schaefer, English, B.A., University of California-Irvine; M.A., University of Notre Dame

Tim Scharks, Geography, B.S. University of Alaska, Fairbanks; M.S., Western Washington University

Scott Schreiber, Welding, Journeyman Welder; W.A.B.O. Certified

Stephanie Scoby, Director of International Sales and Marketing, B.A., University of Washington.

Curt Scott, Aviation, B.S., University of Oregon; M.A., University of Northern Colorado; M.B.A., Marymount University; Graduate, U.S. Air Force Air War College

William Scott, Communication Studies, B.A., M.A., California State University, Los Angeles

Jody Segal, Librarian, B.A., M.A., M.L.I.S., University of Washington

Felix Serna, Design Drafting Technology, A.A., Pierce College; A.A., Mt. San Antonio City College; Graduate Certificates, Clover Park Vocational-Technical Institute; U.S. Air Force

Katy Shaw, Geology, B.A., Bryn Mawr College; M.S., University of Washington

Vickie Sheehan, Executive Director of College Relations and Special Assistant to the President, B.A., Eastern Washington University

Mary Jane Sherwood, Criminal Justice, B.A., M.A., University of Washington; J.D., Seattle University

Jaime Simmons, Director of Conference Services, A.A., Seattle Central Community College; B.A., University of Washington, Tacoma; M.A., Goddard College

Lea Ann Simpson, Business Education, B.S., M.S., University of Idaho

Marcie Sims, English, B.A., California State Polytechnic University; M.A., San Diego State University

Robert Sjogren, Natural Resources, A.A.S., Green River Community College; B.S., The Evergreen State College

Julie Slettvet, Business Education, B.A., Fifth Year of Teacher Education, University of Washington

Cindy Small, Fine Arts, B.S., Illinois State University; M.F.A., Southern Illinois University

Chitra Solomonson, Physics, B.S., University of Madras, India; M.S., Indian Institute of Technology, Madras, India; Ph.D., Louisiana State University

Danyl Sorensen, Automotive Technology, A.S., Rogue Community College; A.S.E. Master Technician

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Jae Suk, Engineering, B.S., Kyung-Hee University; M.S., Ph.D., University of Washington

Matthew Swenson, Director of Grants, B.A., Western Washington University; M.A., Seattle University

Tom Tagliente, Machine Technology, B.A., LaSalle University; M.A., Old Dominion University

Tze Hou (Alvin) Tai, Director of International Outreach, B.S., Purdue University; M.A., Fordham University

Mark Thomason, History, B.A., University of Washington; M.A., New Mexico State University

Michael Tuncap, Director of Diversity, Equity, and Inclusion, B.A., University of Washington; M.A., University of California Berkeley

Jamie Vandette, Anatomy and Physiology/ Biology, B.S., Central Washington University; M.S., Ohio State University

Ed Vesser, Welding, Certified Welder

Roland Vieira, Anatomy and Physiology, B.A., University of California-Santa Barbara; M.S., California State University, Hayward

Terry Waagan, Drafting, A.A.S., Bates Technical College

Leonard Wainstein, English for Speakers of Other Languages, B.A., University of Puget Sound; M.A. TESOL, University of Washington

Christopher Ward, Aviation, B.A., University of Washington; FAA Airline Transport Pilot Certificate; FAA Ground Instructor Certificate; FAA Flight Engineer Certificate; FAA Flight Instructor Certificate;

Anthony Warnke, English, B.A., University of Washington; M.A., Western Washington University

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Catherine Wells, Dean of Science Division and Adjunct Faculty, B.A., University of Michigan; M.A., Eastern Michigan University; J.D., Michigan State University

Christopher Wells, Director of South King County College Access Network (SKC-CAN), B.A., Washington State University; M.A., University of Washington

Jamie Wells, Director of South King County Tech. Prep. Consortium, A.A., Highline Community College; B.A., Washington State University; M.A., Gonzaga University

Linda Wilson-Hill, Reading, B.A., Brigham Young University; M.Ed., Lesley University

Carhious Wilturner, Psychology, B.A., San Francisco State College; M.A., Pacific Lutheran University; Ph.D., University of Washington; Licensed Psychologist

Tamar Zere, Director of Workforce Education, B.A., University of Washington; J.D. Seattle University

Mary Zickafoose, Librarian, B.F.A., Sam Houston State University; M.S.L.I.S., M.S.I.S., Drexel University

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 math, reading, and writing. This is 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 - (13) – 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 Community 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, 25 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 Community College

Kent

W James St
W Valley Hwy
Smith St
W Meeker
Willis St
Ramsay Way
2nd Ave S
4th Ave S
2nd N
4th N
1st Ave. N
Wmeeker
Central Ave N
167
516
3

N

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.

Enumclaw

169
410
Griffin Ave
Porter St
Cole St
Griffin Ave
Roosevelt Ave
244th Ave SE
244th Ave SE
SE 436th
164
410
4

N

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.

PI1406080725

Regional Map

Bellevue
Issaquah
Maple Valley
Seattle
Mercer Isle.
Renton
Kent
Covington
Black Diamond
Enumclaw
Buckley
Sea-Tac Int'l Airport
Des Moines
Auburn
Sumner
S. Prairie
Federal Way
Vashon Isle.
Puyallup
Orting
Tacoma

90
405
18
169
516
164
410
165
162
161
512
99
I-5
I-5
167
Auburn Way
Auburn Way

1 **2** **3** **4**

N E S W

Auburn

Auburn
15th St
15th St NW Exit
Auburn Way
Harvey Rd
M St
8th St NE
105th Pl SE
SE 312th
SE 320th St
124th Ave SE
13nd Ave SE
SE 304th
West Valley Hwy
167
18
1 **2**

N

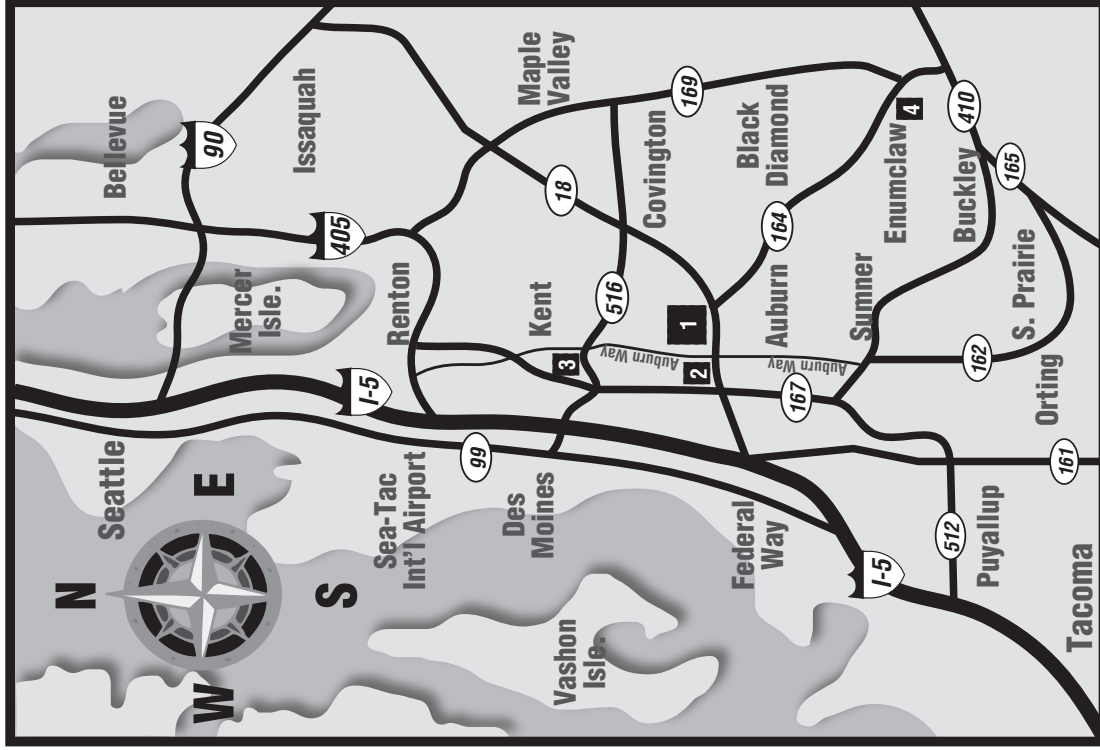### 1 Main Campus, Auburn— Located at 12401 SE 320th Street

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.
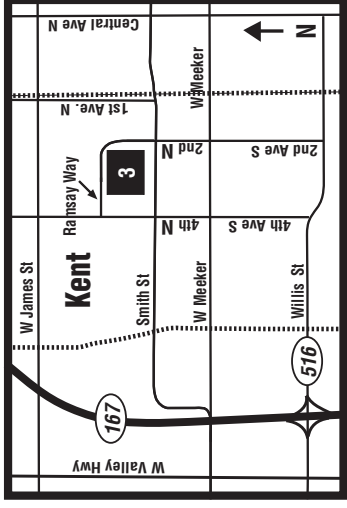4. Turn right onto 105th Place SE. Follow road to top of hill to SE 320th.

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.
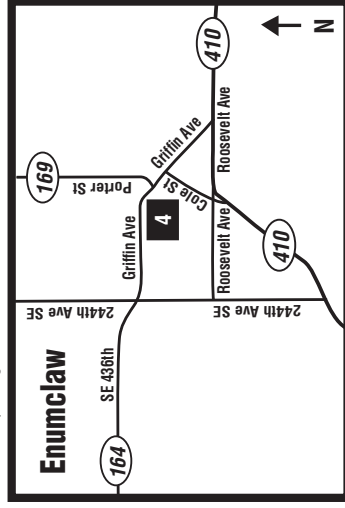4. Turn left onto S Division Street. Turn left onto 2nd Street SW.

Green River
COMMUNITY COLLEGE

For map in an **alternative format,** contact Disability Support Services (DSS):
(253) 833-9111, ext. 2631
TTY (253) 288-3359

2013.06

NORTH

COMMUNITY PARK

CC

FUTURE SITE OF NEW TRADES BUILDING

124TH AVE SE

CCA

P15

SE 320TH ST

Exit Only

West Entrance

East Entrance

PARKING INFORMATION BOOTH

P16
(4)

AEHLE WAY

HL

FUTURE SITE OF NEW STUDENT LIFE BUILDING

SCHOENFELD WAY

TIA
TIB
TIC
TID
HR

P13
P14

P1
(18)

MATHEWS WAY

HAWKINS WAY

PARKING INFORMATION BOOTH

RLC

NORDBY WAY

PA

KENNELLY COMMONS

LC

AD

P10
P12
(3)

P2

P3
(11)

Zgolinski Welcome Center
New Students
Campus Information
Campus Tours
Assessment

AEHLE WAY

OEB

SH

SALISH COMMONS

SCHOENFELD WAY

ZWC
(8)

P4

P11

EIDAL WAY

HAWKINS WAY

P9
ARA
(5)

SC

TC

PE

FC
P8

IVB

P5

SINEX WAY

CH

IVC

IVD

IVA

P7

P6
(11)

MC

WT

FO

Green River
COMMUNITY COLLEGE

MAIN CAMPUS

Main Campus Phone No.: (253) 833-9111
Campus Safety Emergency No.: (253) 288-3350

◆◆◆ Not accessible by wheelchair
||||| Accessible by wheelchair but with difficulty

♿ Accessible entrance
𝌆 Stairs

P4 Parking area
♿ Accessible parking area

Campus Destinations

Building Name	Abbr
Administration	AD
Bleha Center for the Performing Arts	PA
Cedar Hall	CH
Child Care Center	CC
Continuing Education	WT
Facilities Operations	FO
Fitness Center	FC
Holman Library	HL
Human Resources	HR
Lindbloom Student Center	LC
Maintenance Center	MC
Marv Nelson Science Learning Center	SC
McIntyre International Village Building A, B, C, D	IV A-D
Occupational Education	OEB

Building Name	Abbr
Physical Education Building	PE
Rutkowski Learning Center	RLC
Salish Hall	SH
Student Housing	CCA
Technology Center	TC
Trades & Industries Building A, B, C, D	TI A-D
Washington Environmental Training Resource Center	WT
Zgolinski Welcome Center	ZWC

Popular Destinations

For the...	Go to the...	Abbr
Assessment & Testing Center	Zgolinski Welcome Center	ZWC
Campus Information & Tours	Zgolinski Welcome Center	ZWC
Bookstore (The Paper Tree)	Lindbloom Student Center	LC
Campus Safety	Administration	AD
Cashier's Office	Lindbloom Student Center	LC
Career & Advising Center	Lindbloom Student Center	LC
Conference Center	Lindbloom Student Center	LC
Continuing Education	WETRC	WT
Disability Support Services	Lindbloom Student Center	LC
Diversity Services	Lindbloom Student Center	LC
Enrollment Services	Lindbloom Student Center	LC
Financial Aid Office	Lindbloom Student Center	LC
Helen S. Smith Gallery	Holman Library	HL
Math Learning Center	Cedar Hall	CH
Speaking Center	Holman Library	HL
TRIO Student Support Services	Lindbloom Student Center	LC
Tutoring & Resource Center	Holman Library	HL
Veteran's Services	Lindbloom Student Center	LC
Washington State Center of Excellence for Careers in Education	Technology Center	TC
Workforce Education	Cedar Hall	CH
Writing Center	Rutkowski Learning Center	RLC

MarCom1306