Want a strong start with smaller classes and lower tuition — close to home?

Now, you can take lower division collegiate courses anytime, anywhere! Literally!

UCC’s “anytime, anywhere” schedule for the Associate of Arts Oregon Transfer degree allows you to earn an AAOT online or in the evening, either exclusively or in combination, in four years (for students taking a minimum of eight credit hours per term).

Of course, these classes are still available during the “day”: students who take courses online or in the evening may take others during the day.

With UCC’s anytime, anywhere online and evening schedule, you begin a four-year degree even if work or family considerations make coming to the Roseburg campus difficult or impossible — and you still get the same small classes, individual attention from great instructors and low tuition.

What could be more convenient?

Visit the Transfer Education section of this catalog for more information.
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Students are to read and abide by the contents of the current UCC Catalog, which sets forth the terms and conditions of enrollment and supersedes and replaces any previous Catalog.

Circumstances will undoubtedly require that the policies, procedures, rules, and benefits described in this Catalog change from time to time as the College deems necessary or appropriate, and those changes will be valid when approved by UCC administration and/or voted by the Board of Directors. Those changes will be posted on RiverHawk Web and the UCC website and when appropriate, will be incorporated in future editions of the UCC Catalog.

A grievance procedure and binding arbitration are provided for any dispute or claim (including those based upon a statute, tort, or public policy) that a student has with the College regarding the terms and conditions of enrollment by the College.

ABOUT THIS CATALOG
Umpqua Community College publishes this catalog to provide you, our students and public, current information about the College.

We make every effort to provide accurate information. However, sometimes the College finds it necessary to make changes after the catalog has been printed. The changes may affect procedures, policies, calendar, curriculum, or costs. Therefore, this catalog is to be considered only as a guide in planning your course of study.
### Academic Calendar • 2012-13

<table>
<thead>
<tr>
<th>Event</th>
<th>Summer 12</th>
<th>Fall 12</th>
<th>Winter 13</th>
<th>Spring 13</th>
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</thead>
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<tr>
<td>Early Registration for Continuing Students Only</td>
<td>Check quarterly class schedule for details.</td>
<td>Check quarterly class schedule for details.</td>
<td>Check quarterly class schedule for details.</td>
<td>Check quarterly class schedule for details.</td>
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<td>Registration Payment Due **</td>
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<td>Check quarterly class schedule for details.</td>
<td>Check quarterly class schedule for details.</td>
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<td>Check quarterly class schedule for details.</td>
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<td>New Student Orientation</td>
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<td>Check UCC website for dates</td>
<td>Check UCC website for dates</td>
<td>Check UCC website for dates</td>
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<tr>
<td>Classes Begin</td>
<td>September 24</td>
<td>January 7</td>
<td>April 1</td>
<td></td>
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<tr>
<td>Last Day to Register/Add Classes</td>
<td>October 5</td>
<td>January 18</td>
<td>April 12</td>
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<tr>
<td>Last day to drop with refund</td>
<td>September 30</td>
<td>January 13</td>
<td>April 7</td>
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</tr>
<tr>
<td>Last Day to DROP/DELETE</td>
<td>October 5</td>
<td>January 13</td>
<td>April 7</td>
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<tr>
<td>(classes will not appear on transcript)</td>
<td>November 21</td>
<td>March 8</td>
<td>May 31</td>
<td></td>
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<tr>
<td>Last Day to WITHDRAW</td>
<td>November 21</td>
<td>March 8</td>
<td>May 31</td>
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<tr>
<td>(will appear on transcript as withdrawn)</td>
<td>November 21</td>
<td>March 8</td>
<td>May 31</td>
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<tr>
<td>Campus Closures</td>
<td>All Fridays from June 18 - Sep 2 September 3</td>
<td>September 11 November 12 November 22-25 December 22 - January 1</td>
<td>January 21 February 18</td>
<td>May 27</td>
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<td>Student Vacations</td>
<td>No Friday classes</td>
<td>December 9 - January 6</td>
<td>March 24 - March 31</td>
<td>May 28</td>
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<tr>
<td>Final Exams</td>
<td>December 3-8</td>
<td>March 18-23</td>
<td>June 8-14*</td>
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<tr>
<td>End of Term</td>
<td>August 30</td>
<td>December 8</td>
<td>March 23</td>
<td>June 14</td>
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<td>GED and High School Completion Graduation</td>
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<td>January 25</td>
<td>June 13</td>
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<tr>
<td>Commencement</td>
<td></td>
<td></td>
<td></td>
<td>June 14</td>
</tr>
</tbody>
</table>

* Saturday final exams will be held June 8. Saturday classes during spring term will meet longer to ensure the appropriate contact hours are met.

** When registering for a class, you are agreeing to pay the tuition and fees plus any applicable late fees and interest. If you cannot attend you must officially drop the class or you will be charged.
## Program Contacts

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting Technology</td>
<td>541-440-4663</td>
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<tr>
<td>Administrative Assistant</td>
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<tr>
<td>Administrative Medical Assistant</td>
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<tr>
<td>Anthropology</td>
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<tr>
<td>Apprenticeship Training</td>
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<td>Art Education, Art History</td>
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<td>Automotive Technology</td>
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<tr>
<td>Automotive Technology–Toyota Option</td>
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<tr>
<td>Aviation Flight Technology</td>
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<td>Chemistry</td>
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<td>Clinical Medical Assistant</td>
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<td>Communication Specialist in Organizations</td>
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<td>Computer Information Systems</td>
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<td>Computer Science</td>
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<td>Construction Technology</td>
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<tr>
<td>Criminal Justice</td>
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<tr>
<td>Criminal Justice – SOU</td>
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<tr>
<td>Culinary Arts</td>
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<tr>
<td>Dental Assisting</td>
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<td>Drafting Technology</td>
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<tr>
<td>Early Childhood Development-SOU</td>
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<tr>
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<td>Economics</td>
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<tr>
<td>Education: Elementary &amp; Secondary</td>
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<tr>
<td>Education: Paraeducator</td>
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<td>Electrician Apprenticehip Technologies</td>
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<td>Emergency Medical Services: Paramedic</td>
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<td>Employment Skills Training</td>
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<td>Engineering and Surveying Technology</td>
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<td>Entry Management</td>
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<tr>
<td>Financial Services Certificate</td>
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<td>(for Financial Aid office, call 541-440-4602)</td>
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<tr>
<td>Fire Science</td>
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<td>Fitness Technician</td>
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<td>Green Technology</td>
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<td>Health, Health Education, Health Care Admin</td>
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<tr>
<td>Health Informatics</td>
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<tr>
<td>History</td>
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<td>Industrial Mechanics and Maintenance Technology Apprenticehip</td>
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<td>International Studies</td>
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<td>Juvenile Corrections</td>
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<td>Mathematics</td>
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<td>Medical Billing and Collections</td>
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<td>Medical Imaging Technology</td>
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<td>Medical Technology</td>
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<tr>
<td>Microsoft Office Technologist</td>
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<td>Music</td>
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<td>Registered Nursing</td>
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<td>Occupational Skills Training</td>
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<tr>
<td>Office Assistant</td>
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<tr>
<td>Outdoor Recreation</td>
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<tr>
<td>Paralegal Studies</td>
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<td>Philosophy</td>
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<tr>
<td>Physics</td>
<td>541-440-7736</td>
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<tr>
<td>Police Reserve Academy</td>
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<tr>
<td>Political Science</td>
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<td>Practical Nursing</td>
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<td>Pre-Architecture</td>
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<td>Pre-Dentistry</td>
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<td>Pretax</td>
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<td>Pre-Nursing</td>
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<td>Pre-Optometry</td>
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<td>Pre-Pharmacy</td>
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<td>Pre-Physical Therapy</td>
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<td>Pre-Veterinary Medicine</td>
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<td>Public Administration</td>
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<td>Public Relations Specialist</td>
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<td>Respiratory Care</td>
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<td>Retail Management</td>
<td>541-440-7790</td>
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<td>Scholarship Office</td>
<td>541-440-7674</td>
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<td>Sociology/Social Work</td>
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<td>Supervision</td>
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<td>Surveying &amp; Geomatics-OIT</td>
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<td>Theatre Arts</td>
<td>541-440-4694</td>
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<td>Truck and Transportation Logics (Truck Driver Training)</td>
<td>541-580-0390</td>
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<td>Visual Communications</td>
<td>541-440-4692</td>
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<td>Viticulture and Enology</td>
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<tr>
<td>Welding</td>
<td>541-440-7819</td>
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<tr>
<td>Wine Marketing Assistant</td>
<td>541-440-4709</td>
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<tr>
<td>World Languages</td>
<td>541-440-4643</td>
</tr>
</tbody>
</table>
about UCC

MISSION STATEMENT

Umpqua Community College provides accessible and affordable quality college education, life-long learning opportunities, workforce training, and cultural programs for our communities.

COLLEGE VISION

Umpqua Community College Will Be...
• Accessible and affordable.
• A transformational learning community.
• Acknowledged as a center of excellence.
• The College of choice for Douglas County.

The College Will Be Recognized...
• As a supportive learning environment.
• For creative and responsive programming.
• As committed to life-long learning.
• For contributing to Douglas County workforce and economic development.
• For technological advancement.
• For extending educational opportunity from public education through higher education.
• As a cultural and recreational center for Douglas County.

COLLEGE VALUES

Umpqua Community College Values...
• Each person as an individual.
• Personal and professional honesty and integrity.
• The trust placed in us by our community.
• A caring and learning environment that promotes scholarship, innovation and the success of all students.
• A climate that reflects a deep appreciation and acceptance of diversity.
• Accountability on all levels that is reflected in wise stewardship of public resources.
• Collaborative and cooperative partnerships that improve the quality of life in the community.
• The history of Umpqua Community College and its continuing contributions to Douglas County, Oregon.

College Goals …
• The College will expand opportunities in current and new post-secondary transfer and professional/technical education programs that lead to continued learning activities and desired employment.
• The College will increase opportunities for enrollment in Adult Basic Skills Development programs for students who are not college or work prepared.

• The College will enhance life-long learning programs that increase opportunities in workforce training, economic development, job preparation and upgrading, personal enrichment, and cultural well-being for our students and community.
• The College will develop new strategies, methods and resources to access post-secondary educational programs and life-long learning services.
• The College will promote and support a positive learning environment to encourage student and employee success.

Credentials

Umpqua Community College is accredited by the Northwest Commission on Colleges and Universities, 8060 165th Avenue NE, Suite 100, Redmond, Washington 98052-398, an institutional accrediting body recognized by the Council for Higher Education Accreditation and/or the U.S. Department of Education. The College is a member of the Association of Community College Trustees and the Oregon Community College Association. The Nursing program is accredited by the National League for Nursing. The Automotive Technology program is accredited by the National Automotive Technical Education Foundation.

EDUCATIONAL OFFERINGS

Student Transition Education Program (STEP)

Adult Basic Education, Adult High School Diploma, GED, English as a Second Language, U.S. Citizenship, Developmental Education classes and tutoring are available.

Career Pathways

Career Pathways is an integrated continuum of programs and services designed to prepare high school graduates and adults for employment and advancement in targeted occupations. Career Pathway programs may include:

• Certificates of completion that can help students qualify for employment in entry-level jobs while continuing to work on their degree.
• Visual roadmaps, which include entry points, coursework, competencies, credentials, and labor market information that assist students as they plan their pathways to employment and job advancement.

More information and links to Career Pathways roadmaps are located at www.uccpathways.org/index.php/which-pathway-is-right-for-you.

Career-Technical

The Associate of Applied Science (AAS) degree and one-year certificate programs prepare students for entry into the work force in specific areas. There are also short-term pathway certificates available in many CTE programs. See Career & Technical section for more information.

College Transfer

The Associate of Arts Oregon Transfer (AAOT) and Associate of Science (AS) degrees are designed to meet the first two years of academic work at a college or university. The AAOT degree meets all of the lower division (freshman and sophomore) general education requirements at all of the Oregon University System (OUS) schools, and many other colleges and universities. Associate of Science (AS) degrees are specific to receiving institutions and meet the receiving institution requirements as described by articulation agreements.
The Oregon Transfer Module (OTM) is a subset of the AAOT and is designed to partially meet the General Education assignment of the OUS schools, totaling a minimum of 45 credits - See Transfer Ed section for more information.

Developmental Education

Courses in this area assist with basic reading, writing, math and study skills for success in academic programs. They are not part of a degree or certificate program.

Distance Learning

Distance Learning consists of fully online courses, hybrid, interactive video conferencing, streamed and video based telecourses.

General Studies

The Associate of General Studies (AGS) degree is intended to meet individual student need using a variety of collegiate level courses. This degree is for students not seeking a transfer or career-technical program.

Community Education

These offerings range from personal and professional to hobby or recreational courses, but are not part of a degree program.

STUDENTS

Students of all ages and backgrounds attend UCC. They enroll here for many reasons: lower division transfer credits, training or retraining for new careers, updating their skills, getting a high school diploma, or just increasing their knowledge. Many combine work with their schooling.

FACULTY

UCC has highly qualified full-time and highly qualified part-time faculty members that must meet standard minimum qualifications approved at the state level. Generally, faculty members teaching college transfer courses have at least a master’s degree and some have doctorates. Many faculty have a broad background combining education and practical, on-the-job experience.

campus security

Umpqua Community College conforms with the Crime Awareness and Campus Security Act of 1990, Title II of Public Law 101-542 which states all criminal actions and other emergencies occurring on campus be reported to Campus Security. All criminal actions and other emergencies which occur at off-campus college activities are also to be reported to Campus Security. Information of criminal actions will be forwarded to the Douglas County Sheriff’s office or the appropriate local police agency in whose jurisdiction the incident occurred.

Procedures for reporting crimes:

Emergency Situations: Dial 9 - 911 from any campus phone (911 from pay phones) and request assistance.

Assistance Needed: Dial 541-440-7777 to contact Campus Security (only 7777 needs to be dialed from a campus phone).

Sexual Offenses: If you believe that you have been sexually abused, report it. If the crime occurs on campus, report it to the police as soon as possible. Counselors are available in the Campus Center.

The College employs three full-time Security Officers and three part-time security guards who maintain 24/7 security to the campus community. All Security Officers are well-trained under stringent DPSSST standards. While on campus, they are empowered to conduct investigations, contact local safety authorities, and are primarily responsible for the physical security of the campus buildings and facilities. They assist with providing a safe campus environment, detecting and reporting safety/fire hazards, enforcing traffic and parking regulations and promoting crime prevention. Campus Security closely coordinates its activities with the Douglas County Sheriff’s Office, and excellent communication exists between enforcement agencies. The College annually collects and discloses information relating to campus security procedures and practices. Individuals on campus, including students, employees, and visitors should take active responsibility for their personal property. The College maintains its grounds and lighting to ensure the campus is as secure as possible.

Umpqua Community College works with appropriate law enforcement agencies to reduce the opportunity for sexual assault on campus or at off-campus events sponsored by the College. Students may obtain information about registered sex offenders through the Umpqua Community College Director of Security.

Umpqua Community College maintains a very low crime rate, however, it is wise to observe the following suggestions:

- Be smart! Always lock your car. If you are on campus after dark, move your car to a closer parking space before your night class.
- Buddy up — have classmates walk you to your car, then drive them to theirs.
- Know the locations of telephones.
- Be aware of your surroundings. If you notice anything suspicious, report it to Security by dialing 541-440-7777 (7777 on-campus phones).

UCC Campus Crime Statistics

The following statistics identify the number of persons who were arrested, referred or involved in the incident.

<table>
<thead>
<tr>
<th>Description of Crime</th>
<th>FY 2008-09</th>
<th>FY 2009-10</th>
<th>FY 2010-11</th>
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<tr>
<td>Murder/Non-negligent manslaughter</td>
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<td>Sex Offenses:</td>
<td></td>
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<tr>
<td>- forcible</td>
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<tr>
<td>- non forcible</td>
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<tr>
<td>Robbery</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Aggravated Assault</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Burglary (in excess of $500)</td>
<td>8</td>
<td>8</td>
<td>11</td>
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<tr>
<td>Motor Vehicle Theft</td>
<td>1</td>
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<tr>
<td>Manslaughter</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Arson</td>
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persons referred for campus disciplinary action for:

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emergency notification

Umpqua Community College is able to notify students, faculty and staff by phone, cell phone, email or text of any issue regarding access to campus for those who sign up for it by a program called ConnectEd. The College will still make public announcements of closure by radio and television and on its website www.umpqua.edu. ConnectEd is a streamlined, efficient data-based emergency notification system which can notify thousands of students, faculty and staff of an emergency or campus closure within minutes. Secure technology and privacy controls utilize the highest security protocol possible (SSL). Messages can be sent through a number of forms such as cell phones, home phones, work phones, smart phones, email, voice mail, text messaging, and TTY/TTD. Registration for UCC ConnectEd can be done through the UCC Life page on the College website https://www.riverhawk-web.com/nectEd/. All students, faculty and staff who wish to receive notification MUST sign up for this program.

admission to UCC

UCC has an “open door” policy and will admit students who meet any one of the following entrance requirements:

- Graduates from an accredited secondary school.
- Individuals who have earned the GED Certificate of Equivalency or an Adult High School Diploma.
- Non-high school graduates who are 18 years old or over and whose high school class has graduated.
- Individuals who are 16 or 17 years old who are not required to attend high school and who furnish a written “Release from Compulsory School Attendance” may make application as a special student (ORS 339.030).
- Students who are attending high school as juniors or seniors who present written approval from their school officials. Course load must be approved by both schools.
- Some programs have special program requirements other than listed above.

If you are a citizen of another country, you must meet certain federal immigration and College requirements before admittance to Umpqua Community College. International students can request special application materials from the International Student Adviser. Non-credit students are not required to make formal application.

ADMISSION TO SPECIAL PROGRAMS

Acceptance to the College as a regular student normally implies acceptance into any of the degree programs offered; however, some programs have special admission requirements due to limited space, staff and equipment.

The apprenticeship, automotive, dental hygiene, EMS paramedic, Police Reserve Academy and nursing programs have special admission requirements and limited enrollment. See the appropriate program listings in this catalog.

ADULT BASIC EDUCATION/GED/ADULT HIGH SCHOOL DIPLOMA/ESL STUDENTS

Contact the appropriate office for information: 541-440-4603.

DISABILITY-RELATED ACCOMMODATIONS

Disability-related accommodations for admission are available upon request. Ask for assistance at the Registration window or call Disability Services, 541-440-7760 or 541-440-7655 or Oregon Relay at 1-800-735-2900.

INTERNATIONAL STUDENTS

International students have an opportunity to pursue a quality education while living in a small American town.

If you are a citizen of another country, you must present evidence of satisfactory English language skills through a TOEFL paper score of 500 or computer score of 173, ELPT score of 950, or IELTS 6.0. The proficiency may also be met through attending an intensive English language school, such as ESL Level 109 or equivalent.

Please contact our website (www.umpqua.edu/international-students). A deposit of $4,000 will be required to pay for the first term’s tuition, fees, and books.

registering at UCC

STEPS FOR NEW CREDIT STUDENTS

1. Applications
   A. Students interested in receiving financial aid assistance should contact the Financial Aid office and begin the application process for financial aid immediately.
   B. Complete an Application for Admission available in the Admissions Office in the Campus Center Building or online at www.umpqua.edu and pay the $25 application fee. If you have questions, call 541-440-7743.
   C. If pursuing a degree or certificate and you want your previous academic work evaluated, submit official transcripts (including military) from other college(s) to: UCC Admissions.

2. Placement Test
   The Placement Test is offered on a walk-in basis in the Advising and Career Service Center located in the Campus Center Building. Fees will be charged for re-testing. Students who have official transcripts submitted to the Registrar for evaluation which demonstrate a grade of C or better in a college course in writing or math may not be required to take the placement test. Placement test scores are good for one year.
3. Academic Advising
Following the Placement Test, an academic adviser will interpret the results, answer questions and help schedule classes. An academic adviser may answer additional questions you may have regarding starting college, college resources and your career options. The Placement Test and transcripted college courses are used in placing students in the appropriate classes.

4. Registration
Register in person or via the web during designated registration periods and make arrangements to pay for classes (see the academic calendar printed each term in the class schedule, and on the web for dates and deadlines.).
Web Registration Instructions: After the initial new student registration has been processed, subsequent registrations may be completed through the convenience of web registration. The web registration process is easy! Simply click through the lists of options, enter the numbers for the courses you wish to take and you’re done! Please refer to the term schedule for web address and log-in instructions.

5. New Student Orientation
Attend New Student Orientation; see below. For more information: 541-440-7749.

NEW STUDENT ORIENTATION
New Student Orientation introduces new students to the programs and services of the College and provides an opportunity for new students to interact with staff, faculty, administrators and student leaders. New Student Orientation covers topics on: student success strategies, e-resources and career exploration. For information, call 541-440-7749.

REGISTRATION/ADDING
Prerequisites
All students are required to complete prerequisites as indicated in the course description section of the catalog. Questions concerning prerequisites for a course can be answered by the Advising and Career Service Center or the instructor of the course.

Adding & Dropping
After initial registration students may wish to add, drop and/or withdraw from classes in accordance with the dates published in the Academic Calendar. For assistance, contact the Advising and Career Service Center at 541-440-4610.

New Students
New students will be able to register for their second term of classes after they complete the term-by-term planner with an academic adviser beginning the third week of each term.

Continuing Students
Umpqua Community College provides online registration for students who have completed a term-by-term planner and plan to continue their studies at UCC. Check the academic calendar for registration dates.

Returning Students
Students who have attended UCC for credit, but have been absent for more than one year, will need to be re-admitted. There is no fee to be re-admitted but you must complete a new Application for Admission and retake your placement test. If you have attended another college since last enrolled at UCC, please have your official transcript sent if you are seeking a degree at UCC.

Transfer Students
New transfer students taking credit classes must have their transcripts sent from the previous college(s) to: UCC Admissions, Transcript Evaluator, P. O. Box 967, Roseburg, OR 97470.
Transfer students may initially register for the first term. Beginning with the next term, if a term-by-term planner has been completed, transfer students will be able to register for any available terms.

Community Education Students (Non-credit)
Register by mail using the mail-in registration form in the quarterly class schedule, in person at the registration window in the Campus Center Building, or by telephone using check, debit, VISA, or MasterCard. To register by telephone, call 541-440-7744.

tuition & fees
Every effort is made to insure accuracy at the time of publication, however, the college reserves the right to make changes without prior notice.

OREGON RESIDENT TUITION
See class schedule for the current tuition.

OUT-OF-STATE AND INTERNATIONAL STUDENT TUITION
See class schedule for the current tuition.
International students are required to enroll as full-time students.

FEES
See class schedule for current fees.
- Activities fee - $2 per credit.
- Technology fee - $5.50 per credit.
- Credit registration fee - $15 per term (non-refundable).
- Student insurance fee - $5 per term (non-refundable).
- Application fee - $25 (non-refundable).
- Graduation application fee - $30 (non-refundable).
- Graduation fee - AHSD/GED - $15 (non-refundable).
- Course challenge fee - $10 per course (non-refundable).
- Online fee for UCC online classes - $25 per term.
- Hybrid access fee - $15 per term.
- Online fee for UCC non-credit classes - $5 per course.
- US fax for official transcript fee $3 - (non-refundable).
- International fax for transcript fee - $10 (non-refundable).
- Return check/stop payment charge fee - $35.
Other fees vary from class to class. Fee charges are listed in the “fee” column for each class requiring this additional payment.
NON-CREDIT TUITION/FEES
The tuition for these classes varies. Fees may be charged for hand-
out materials, laboratory chemicals, facility rentals, guest speakers,
meals, field trip costs, or other expenses. Complete Community
Education tuition and fees details on classes, workshops and
seminars are in the Class Schedule. Schedules are mailed each term
to district residents or are available in the Campus Center Building.

RESIDENCY
Oregon Resident — An American citizen or immigrant who has
maintained a residence in Oregon for at least 90 days prior to the
beginning of classes.
Out-of-State Student — An American citizen or immigrant who has
not established residency in Oregon 90 days prior to the beginning
of classes.
International Student — A citizen of another country here on other
than an immigrant visa.

financial aid
The Financial Aid Office at Umpqua Community College is
committed to helping students obtain funding for their education.
Although the primary responsibility for meeting college costs rests
with students and their families, Umpqua Community College
recognizes that many individuals cannot assume the full financial
burden of the costs of a college education. For this reason, financial
aid is available to help bridge the gap between the costs of
education and the available student and family resources.
Students interested in financial aid are encouraged to complete the
Free Application for Federal Student Aid (FAFSA) online. The official
website is www.fafsa.gov. UCC’s federal school code is #003222.
Additional financial aid information is available at: http://www.
umpqua.edu/financial-aid.

Eligibility Criteria:
Virtually all students who meet the following eligibility criteria will be
offered some type of financial aid:
• Be a U.S. citizen or eligible non-citizen
• Must have a high school diploma or GED certificate
• Be admitted and enrolled in an eligible degree or certificate
program at UCC
• Not be enrolled simultaneously in a high school diploma
completing program
• Register with the Selective Service, if required

Notification Procedure
When a fafsa application is received by the institution the student is
notified via email or letter, of requirements needed to process their
file for an aid offer.
An award letter will be available via Riverhawk email to each eligible
student. Financial aid awards are accepted via the Internet or by
signing and returning the Award Letter to the Financial Aid office by
the due date noted.

Disbursement Procedure
Students are allowed a 100% refund of tuition and most fees
through the first week of each term. A student does not need to be
full-time to receive financial aid. Many funds are pro-rated based
on a student’s enrollment status (full-time, three-quarter-time,
half-time or less than half-time). The financial aid office will
determine a student’s enrollment status at the end of the first week
of each term and disburse funds for that enrollment status to the
student’s account.

On the second Thursday of each term (with the exception of Summer
term) the student’s financial aid funds in excess of institutional
charges will be made available through two means:
• Direct deposit (set up through UCC Finance Office)
• US Postal Service
Funds will continue to be direct deposited or mailed on Tuesdays
and Thursdays, throughout the term.

Before financial aid funds are disbursed students are required to
complete a mandatory Financial Aid Literacy Seminar. More
information can be found at: http://www.umpqua.edu/financial-aid-
literacy-seminar.

Refunds or Repayments of Financial Aid Funds
If a student withdraws from courses while receiving financial aid,
the terms of the UCC Refund Policy apply. Additionally, recipients of
Title IV aid funds are affected by the federal refund and repayment
regulations if they withdraw from all classes during a term. Students
who withdraw from all classes prior to completing more than 60% of
an academic term must have their eligibility recalculated based on
the percentage of the term that they attended to determine unearned
aid. Student aid recipients who are considering withdrawal from a
class or all classes are strongly encouraged to contact the Financial
Aid Office for complete information.

Financial Aid Satisfactory Academic Progress
(SAP) Policy
UCC is required by federal and state regulations to define and
enforce standards of financial aid satisfactory academic progress.
Students must maintain SAP in order to continue to receive financial
aid. Please note: Financial aid SAP is separate from Academic
SAP. Students must comply with the requirements of both policies.
Satisfactory academic progress is monitored each term.

A copy of the requirements for financial aid SAP are available
online at: www.umpqua.edu under Forms and Publications and
Financial Aid.

Appeals to the Standards for Satisfactory Academic Progress
Students may appeal a Satisfactory Academic Progress suspension.
An appeal requires a written statement/letter explaining why the
student was not able to meet the standards along with supporting
documentation and an academic plan completed by an Academic
Adviser. The Financial Aid Director reviews the appeals. Appeals not
accepted by the Director may be appealed in writing to the Financial
Aid Advisory Committee. The committee will review the appeal and
the decision is final.

Types of Financial Aid Available
Often, more than one type of financial aid funding can be offered
to students. There are four basic types of financial aid: grants,
scholarships, loans and work-study employment. Grants and
scholarships can be thought of as gift aid because there is no
requirement to repay or to work in exchange for the funds.
Federal Pell Grant
The Pell Grant program was established by the federal government to provide a basic core of aid for eligible undergraduate students. Eligibility is determined by the federal government and has a lifetime limit of 18 full-time quarters.

Oregon Opportunity Grant (OOG)
The State of Oregon provides funds for this program and the Oregon Student Access Commission (OSAC) determines the student’s eligibility. Students must meet the requirements for state residency and demonstrate financial need. Students cannot be enrolled in a course of study leading to a degree in theology, divinity or religious education. OOG eligibility may be transferred to other eligible institutions, but eligibility is limited to 12 terms of attendance.

Federal Supplemental Educational Opportunity Grants (FSEOG)
These grants are federally funded and UCC is responsible to select eligible students and to determine the amount of the awards to students. Eligible students must not have earned a bachelor’s degree. Preference for this grant is given to students who are Pell-grant eligible and have low family contributions toward their educational expenses. Funds are limited and students are encouraged to apply by the priority date of February 1.

Merit Awards
Tuition waivers may be offered to students who have shown outstanding achievements in such areas as student leadership, athletics, journalism, fine and performing arts, and other areas. For more information about merit awards, contact the Financial Aid Office.

Scholarships
Many scholarships are available from individual donors and service organizations in communities throughout Douglas County as well as nationwide. Several excellent scholarship search programs are available on the World Wide Web. Information and application forms for other scholarships are available at the Scholarship Office, located in the Technology Center building or on the UCC website at http://www.umpqua.edu/ucc-scholarships.

Federal Direct Student Loan Programs
All students meeting eligibility criteria can apply for Federal Direct Student Loan funds. These loans are federally guaranteed loans. First year students (less than 45 credits completed toward their program of study) are eligible to borrow subsidized amounts up to $3,500, and second-year students may borrow up to $4,500. (Actual amounts are dependent upon student budget criteria).

There are two types of Direct loans for student borrowers:
• Subsidized FDLSL eligibility is based on budgetary needs and is awarded first, up to annual maximums based on dependency status and grade level. No interest is charged to the borrower from the date of disbursement.
• Unsubsidized FDUL eligibility is not based on financial need and can be awarded up to annual maximums, based on dependency status and grade level, or budgetary need (cost of attendance less aid and resources). Interest is charged to the borrower from the date of disbursement and may be paid quarterly to avoid capitalization.

There is one type of Direct Loan for a Parent Borrower:
• Parents may be eligible for the FDPL loan if they wish to cover their dependent students’ educational expenses after the student has exhausted their individual eligibility. The parent will be required to pass a federal credit check or provide a co-signer.

Federal Direct Parent Loan (FDPL)
As all loans require repayment, before accepting a loan offer to assist with educational expenses, students and parents should carefully consider the repayment terms. Borrowers should select the repayment plan that is right for their personal financial circumstances and change repayment plans if their financial circumstances change. Accepting an educational loan means the student or parent has accepted the responsibility to repay the funds borrowed plus interest.

Federal Work Study (FWS)
Work Study gives you the opportunity to earn money to help pay for your educational expenses. Before being placed in a Work Study job you must be awarded financial aid. If you are interested in a work study job, contact the Financial Aid Office, located in the Campus Center building. Completion of paperwork is required prior to your starting work.

GOLD CARD PROGRAM
Residents of Douglas County who are 60 years of age and older, and persons who are disabled and receive Social Security Disability as a result of that disability, may become a member of the Gold Card Program.

This program is sponsored jointly by UCC and the local school districts. Senior Gold Card holders may enroll in a credit course after the first session providing space is available. Gold Card holders pay 50% of the credit tuition cost and 100% of fees. Senior and Disability Gold Card holders will pay 50% of course cost on selected Community Education Classes. Certain specified school-district sponsored events will be available to card holders at a reduced rate (or free).

payment methods
Classes must be paid after registration either with cash, check, Visa, MasterCard, gift certificate, online through your RiverHawk web account (fees may apply) or by notifying the Cashier (Business Office) that other funding is available. You must pay the College any money you owe from previous terms before registering for the current term of classes.

It is your responsibility to notify the Cashier that other funding is available.

FINANCIAL AID
Students who have applied for financial aid and have been determined eligible will have their tuition and fees taken out of their financial aid.

Students who are receiving financial assistance from sources outside of the College must work with the source to meet the deadlines required by UCC.
REFUNDS

Students who withdraw from one or more Umpqua Community College courses and who have complied with regulations governing withdrawals, are entitled to certain refunds of tuition depending on the time of withdrawal. Refunds are limited to students who comply with withdrawal procedures. See Withdrawals.

Full tuition is refunded if withdrawal is made during the first week of summer, fall, winter and spring terms. During summer, full tuition is refunded if withdrawal is made during the first week of the 10-week session, and during the first week of the 5-week and 3-week sessions. No tuition refund will be made if withdrawal is made after these times.

Refunds in all cases are calculated from the date a refund is requested. It is not calculated from the date you ceased attending class. The only exception is in an unusual case in which delay occurred for reasons beyond your control. Students will receive full refunds for courses canceled.

Community Education/SBDC - Payment is due at time of registration. Students are eligible for a refund if they drop a class two business days prior to the class start date. To officially drop, a student must contact UCC’s Admissions and Records Department. A full refund will be granted if a workshop or class is canceled by Umpqua Community College.

Credit Card payments: With the exception of students paying by credit card through SallieMae (see below), all refunds will be issued in the form of a check payable to the student regardless of the original form of payment or who paid for the course. If a third party sponsored agreement is set up with the Finance Office, refunds will be issued in the form of a check payable to the third party.

Nelnet payment option: Refunds for payments will be made by check to the student, regardless of who paid for the course.

SallieMae payment option: Refunds for credit card payments (including Debit Card) will be credited back to the card used. Refunds for ACH payments (checking account) will be made by check to the student, regardless of who paid for the course.

non-payment actions

Consequences for Not Paying
If you fail to pay your account, the college may take any or all of the following actions:
- Require immediate payment in full
- Block enrollment for any future terms
- Decline to provide official transcripts
- Turn accounts over to a collections status for non-payment after three months*
- Garnish Oregon State Tax Return

*Students will receive a final notice for accounts that are overdue before the college assigns them to a collection status and reports them to a credit bureau. The collection agency will add additional collection fees, court and attorney costs to account.

Past Due Accounts Assigned to a Collection Status After Three Months
Accounts will be turned over to a collections status for non-payment after three months. Students will receive a final billing statement for accounts that are overdue before the college assigns them to a collection status and reports them to a credit bureau.
Failure to maintain a correct address with Registration will result in your account going to collections status if unpaid.

Past Due Accounts must be Paid at the Assigned Collection Agency
Students are not able to make payments to UCC for past-due accounts that have been assigned to a collection agency. Students wishing to pay off outstanding debts to UCC will be referred to the collection agency responsible for their account and will need to make payment in full to that agency. Students who have paid their accounts in full with the collection agency will not be able to register or have a transcript released until UCC receives the funds from the collection agency and the UCC account balance has been completely cleared. Payments from collection agency can take eight weeks to reach UCC. No exceptions will be made to allow a student to register or receive an unofficial or official transcript until the account shows paid in full status.

schedule changes

After registration you may make course changes such as to add or drop a course in the Admissions and Records Office or via the web. Deadlines are listed in the academic calendar for course changes.

drops/withdrawals

Students registered for classes are considered to be in attendance. Students discontinuing attendance without filing the official drop/ withdrawal form in the Admissions and Records Office may receive a failing grade. Recipients of Title IV financial aid funds are subject to the federal regulations for withdrawals from classes for a term.

Students wishing to drop (which does not appear on the academic transcript) a course or courses must initiate the withdrawal procedure during the first week of each term, except for classes less than ten weeks in length. Complete and file the appropriate form in the Admissions and Records Office.

Withdrawal from UCC — To withdraw from all courses, get the signature of an academic adviser. The withdrawal form may be obtained in the Admissions and Records Office, and must be completed and filed in the Admissions and Records Office.

Withdrawal fall, winter, and spring terms — Fall, winter, and spring term, students may withdraw from a course or courses by obtaining the signatures from advising and financial aid anytime between the beginning of the second week and the end of the fourth week of instruction, additionally instructor signature must be obtained between weeks five and nine.

Withdrawal summer term for ten-week classes — Students may withdraw during weeks two through four of the term from any course or courses by completing the appropriate form in the Admissions and Records Office, signatures from advising and financial aid must be included. Beginning with the fifth week of instruction, and continuing through the eighth week of the summer term a student must obtain the signature of the instructor on the appropriate form. The student then will complete the process at the Admissions and Records Office.
Withdrawal summer term for five-week classes — Students may withdraw during the first two weeks of the five-week session by completing the appropriate form in the Admissions and Records Office, signatures from advising and financial aid must be included. During the third and fourth weeks of the five-week session the student must also obtain the signature of the instructor on the appropriate form. The student then will complete the process at the Admissions and Records Office.

Withdrawal summer term for three week classes — Students may withdraw during the first week of the three-week session by completing the appropriate form in the Admissions and Records Office, signatures from advising and financial aid must also be included. During the second week of the three-week session, the student must also obtain the signature of the instructor on the appropriate form. The student then will complete the process at the Admissions and Records Office.

Instructor withdrawal from classes — Students who register for a class, but do not attend the first class meeting, or contact the instructor before the first class meeting of the term may be withdrawn by the instructor. It is the responsibility of the student to ensure the withdrawal has occurred. If the withdrawal has not taken place, the student will be assigned a grade in the class.

You are expected to process withdrawals after the term begins in person, but under exceptional circumstances you may initiate withdrawal by telephone or by writing a letter of explanation to the Admissions and Records Office.

Proper withdrawal is reflected on transcripts and adherence to the correct procedure protects your academic record.

Appeals for exception to the withdrawal policy must be directed to the Academic Standards Committee. Appeal forms are available from the Registration Office.

Note: Recipients of Title IV financial aid funds are subject to the federal regulations for withdrawals from all classes for a term.

course information

Academic Year consists of three terms or “quarters” of approximately 11 weeks each. You may enter at the beginning of any term, but it is advantageous to enter fall term because most sequence courses begin in the fall.

Credit Hour usually represents three hours each week (for every hour in class, two hours of outside preparation are needed) for one term. This time may be assigned to work in classroom or laboratory or to outside preparation. The number of lectures, recitations, laboratory, studio, or other periods per week for any course may be found in the course descriptions in the catalog or in the regular Schedule of Classes.

The normal amount of scheduled time for a non-laboratory academic class is 50 minutes per week for each credit hour. Laboratory and activity courses usually require more than one hour of class time per week for each credit hour.

Subject is a designated field of knowledge such as history or English.

Sequence consists of three successive terms of a course such as Biology 101-102-103 or History of the US 201-202-203.

Curriculum is an organized program of courses and study arranged to provide definite cultural or professional preparation.

Period is a class meeting of discussion, lecture, laboratory work, etc., which may last for 50 minutes or more.

Full-Time Student is one registered for 12 or more credit hours per term.

Part-Time Student is one registered for fewer than 12 credit hours per term.

CREDIT HOUR LOAD

You should enroll for an average of 16 approved credits within your program per term to earn an associate degree in two years or a bachelor’s degree in four years. Sixteen credit hours involves about 48 clock hours of scholastic productivity each week during the term (16 classroom + 32 study preparation).

If you must work, you are advised to fit your job schedule into the term hour equation and anticipate taking more than six terms to complete a two-year educational plan.

It may be difficult to carry a full-time academic load if you work more than 20 hours per week.

By taking advantage of summer term classes you can either reduce the number of credits needed per term or the length of time required for attaining your degree.

An accumulative GPA minimum of 2.75, and written approval from the director of counseling is required to enroll in more than 19 credits per term.

credit options

ADVANCED PLACEMENT

If you are a high school student taking Advanced Placement courses, you are eligible to take Advanced Placement Examinations developed by the College Entrance Examination Board. Umpqua Community College grants credit in a number of subjects to students who have achieved acceptable scores on these tests. See the Admissions and Records Office in the Campus Center Building.

CHALLENGING COURSES

Umpqua Community College maintains a course challenge procedure, recognizing that alternative avenues exist other than the classroom for acquiring knowledge. If adequate justification exists, you may challenge courses using the following guidelines and procedures:

1. Consult the appropriate instructor.
2. If justification exists to challenge the course, obtain the challenge form at the Admissions and Records Office.
3. Obtain signatures of appropriate instructor and department chair.
4. Present the completed challenge form to the Admissions and Records Office and pay the $10 per course nonrefundable challenge fee.
5. Complete the challenge examination during the term initiated and at a time mutually agreed with the instructor.
6. If challenge is successfully completed, register and pay appropriate tuition and fees for the class with the Admissions and Records Office.
7. MTH 060 competency challenge: Umpqua Community College allows students to pass a MTH 060 challenge exam to meet the math requirements for programs such as the AAS degree and one-year certificates. The MTH 060 challenge exam may be taken by making arrangements with the math department chair.
Challenges are not considered part of the residency requirements for degrees, diplomas, or certificates nor are they considered in determining full-time status or eligibility for athletics or student benefits.

If you successfully pass the challenge exam, you must pay the appropriate tuition and register for the class. The instructor will record the grade (A, B, C or P) on the regular end-of-term grade sheet. If the student fails to pass the exam, no grade will be recorded. The student may not challenge the course a second time.

Students may not challenge a course in which they have already received a grade, nor may they challenge a course at a lower level than a course previously completed (Example: WR 115 may not be challenged if WR 121 has been completed).

COLLEGE LEVEL EXAMINATION PROGRAM

The College Entrance Examination Board has instituted the CLEP program, a set of nationally-normed examinations which will provide 3-12 credits in individual subjects; the general examinations fulfill some requirements for the degree/certificate. For more information, call UCC Testing Services at 541-440-7659.

CREDIT BY EXAM

A maximum of 45 credits toward a degree and 24 credits toward a certificate program may be earned by: CLEP examination, ACT Subject Matter Examinations, Advanced Placement tests (score of 3, 4, or 5 required), military schooling (ACE Guide approved), and Credit for Prior Learning. For information, call UCC Testing Services at 541-440-7659.

CREDIT FOR PRIOR LEARNING

Credit for prior learning provides a means of earning college credit for learning associated with previous life-experience situations. For information call UCC Testing Services at 541-440-7659.

CREDIT FOR PROFESSIONAL CERTIFICATION (CPC)

CPC is a program in which college credits from Umpqua Community College will be awarded to Criminal Justice professionals including law enforcement, corrections, parole and probation, and 9-1-1 telecommunications. The CPC program offers credit for military training in specific criminal justice courses by directly correlating the applicant’s DPST (Dept. of Public Safety Standards and Training) training, years of experience, special unit assignments, specialized departmental/facility training, and conferences attended.

The applicant’s training record is then aligned to specific content of criminal justice credit courses offered at Umpqua Community College. For information contact the Criminal Justice Program Coordinator.

COLLEGE NOW: COLLEGE CREDIT FOR HIGH SCHOOL STUDENTS

Dual Credit

High school students can earn college credits while in high school. The Dual Credit Program at Umpqua Community College offers opportunities through a partnership with Douglas County High Schools. This program offers the high school student an opportunity to earn college credits for coursework done in their high schools, during their regular school day.

The Dual Credit Program provides lower division academic and entry level professional technical course credits to high school students. The Program supports the concept of assisting high school students as they begin planning and carrying out a learning continuum that begins in high school and extends through the college experience to a degree or a professional certificate.

Students successfully completing instruction in designated Dual Credit courses while in high school, will be awarded Umpqua Community College credit. College Now professional technical courses are offered to meet the needs of Douglas County high school students as they begin training in order to pursue careers in professional technical areas.

Expanded Options Program

High school students in Douglas County have the opportunity to take Umpqua Community College credit classes and receive both high school credit and college credit. Students may take a mixture of traditional “on campus” courses and online education courses during the school year. The student’s school district covers the cost of tuition, fees and books. This program is a great introduction to college while students are in high school!

For more information about College Now programs or available courses, visit the website at www.umpqua.edu/academic-programs/college-now or contact the College Now office at collegenow@umpqua.edu or call 541-440-7813.

TRANSCRIPTING AND TRANSFERRING CREDITS

If you are transferring from another college:

1. If pursuing transfer credit: An official copy of the transcript listing the credits should be received by the Office of Admissions and Records at UCC before enrolling at UCC.

2. Credits are accepted only from regionally accredited colleges and universities, and/or as listed below:
   A. A grade of D is acceptable in transfer work unless the specific program or degree requires a grade of C or higher.
   B. Career-Technical (vocational) credits will be accepted toward the AAS degree; and 12 such credits may count toward the AS and AA degrees.
   C. Credit for military training is granted on the basis of recommendations by the American Council on Education (ACE) as contained in the “Guide to the Evaluation of Educational Experiences in the Armed Services.” UCC accepts credits from the military DANTES and USAFI programs, as recommended by the ACE. All military credits are to be listed on a military transcript:
      • Army — Army/ACE Registry System (AARTS)
      • Air Force — Community College of the Air Force
      • Marines — Individual Training Standards System, Maintenance Training Management and Evaluation Program (ITTS MATMEP)
      • Navy — Navy Occupation/Training and Awards History

D. Credit for College Level Examination Program (CLEP) and the Advanced Placement (AP) Tests are granted based on acceptable scores.

E. For information on a Credit for Prior Learning (CPL) program, contact the Advising and Career Service Center at 541-440-7659.
academic transcripts

An official transcript may be requested from the Admissions and Records Office. Transcripts must be requested in person, by fax, by mail (including a signature), or through RiverHawk Web (UCC’s secure website), and may not be requested by parents, spouse, children, or any other individual without written consent from the student.

Official transcripts are stamped with the college seal and mailed to recipients designated by the student; unofficial transcripts are labeled, “Unofficial.” There is no charge for academic transcripts. There is a charge for special handling, and no more than twenty may be requested during a month’s time.

Transcript requests will not be processed until all debts are cleared with the Finance Office. Requests must include the student’s name, any previous names, student ID number (or Social Security Number), date of birth, current mailing address, current phone number, address(es) to send transcript, signature, and approximate dates of attendance.

Umpqua Community College does not release copies of any transcripts originating from another college or university from which the student may have transferred.

HOLDING OF TRANSCRIPTS

Transcripts will be held for outstanding debts owed the College or any other lending institution that provided financial aid, after the acceptance of the account by a collector, including the U.S. Department of Education.

TRANSFERRING UCC CREDITS

Institutions of the Oregon University System will accept 124 transfer credits from Oregon community colleges.

Any transferable credit earned after completing 124 quarter hours must be earned at a four-year school. Permission is required from the department and the Registrar’s Office at the four-year school for exceptions to this rule. Umpqua Community College does not assume responsibility for acceptance of additional credit by another school.

Career-technical credits may be transferred in certain programs to Oregon University System institutions on a block transfer agreement. You should plan in advance with proper college officials at both Umpqua Community College and the college or university involved to make all of the necessary arrangements.

CEU AND NON-CREDIT TRANSCRIPTS

Continuing Education Units are awarded at the discretion of the college. An official transcript of CEU and non-credit courses may be requested from the Admissions and Records Office following regular UCC transcript guidelines.

grading system

Grades are issued at the end of each term.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>DESCRIPTION</th>
<th>GRADE POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional Work</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Superior Work</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average Work</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Inferior Work</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Unsatisfactory Work</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td>0</td>
</tr>
<tr>
<td>E</td>
<td>Extended Course</td>
<td>0</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>0</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>0</td>
</tr>
<tr>
<td>NG</td>
<td>Non-graded course</td>
<td>0</td>
</tr>
</tbody>
</table>

AU signifies the student audited the course. No credit awarded.
I signifies that the instructor has granted an “incomplete” mark with arrangements made for completing the requirements.
IP signifies that the course completion is in progress and that the instructor has not submitted the grade by the deadline.
E signifies the course was scheduled to extend into the next term and thus a grade cannot be submitted. The issuance of this grade is based upon satisfactory progress by the student. The E grade must be completed within two terms after the E grade was assigned, or the E grade becomes permanent and the course must be repeated.

NG signifies the course or section is not graded.
P signifies a passing grade of C or better was earned. Qualifying credits count toward degrees and certificates but are not computed in the GPA.
W signifies withdrawal from a course.

GPA is computed by: 1) multiplying the number of credit hours attempted in a course by the number of points allowed for the grade received; 2) adding the total points for all courses; 3) dividing this total by the number of credit hours attempted for the term. A GPA is usually computed to two decimal places.

Transfer GPA’s are not listed on the UCC transcript, nor are they used in determining the UCC GPA.

AUDITING

Students who want to participate in a course, but do not want to receive credit and a grade may register for a course under an audit option beginning the first day of class. Charges for auditing a class are 50% of tuition and 100% of fees for the first time a specific course is audited at UCC, and no tuition and 100% of fees for subsequent audits of the same course or for courses previously completed with a passing grade at UCC. These charges are not eligible for financial aid assistance. Students may register as auditors beginning the first day of class on a space-available basis with credit students receiving priority. A student wishing to change from credit to audit, or vice versa, must do so by the tenth instructional day.
GRADE DISCREPANCIES
You must bring any grade discrepancy to the attention of the Director of Enrollment Services/Registrar within 90 days. We will update student academic records when courses are repeated, in most cases, so that credit is awarded only once.

INCOMPLETE
When a student has satisfactorily completed a substantial portion of the assigned coursework but some essential course requirement has not been completed for reasons acceptable to the instructor, a grade of Incomplete (I) may be given and additional time granted for completion.

The Incomplete Grade Contract Form process must be initiated by the student, except in emergency cases. The form is to be filled out and signed by both the student and the instructor. However, only the instructor may submit the form to the Director of Enrollment Services/Registrar.

Because a substantial amount of completed coursework is required for incomplete eligibility for the student, a course repeat is not a legitimate make-up assignment and such agreement will not be accepted by the Registrar’s office.

An I grade must be removed by the end of the next regular term, regardless of whether or not the student is enrolled or the course is offered. An I grade may be extended only under the most extenuating circumstances and then only for one additional term. An extension must be filed with the Director of Enrollment Services/Registrar on a new or revised contract form prior to the original expiration date. If an I is not removed by the agreed-upon date, the I then becomes the letter grade designated on the contract.

MID-TERM STATUS
If you are failing or are in danger of failing you may be notified by the Advising and Career Service Center sometime during weeks five through seven of each term. However, failure to receive this notification does not constitute assurance that you will not fail based on performance following the seventh week.

PASS/FAIL OPTION
Grading options for each course are listed in the course syllabus. Some courses are graded A-F only, some are graded Pass/Fail only, and some allow students to choose either of those two grading options. To choose a grading option, students must inform the instructor during the first two weeks of class. Courses in the student’s major should not be taken with the Pass/Fail option.

REPEATING A COURSE
Umpqua Community College policy allows students to repeat a course to improve the grade earned.

We will update student academic records when courses are repeated, in most cases, so that credit is awarded only once. The lower grade will be noted with an “E” (excluded) on the transcript and is not computed in the GPA. The GPA is recalculated using the higher grade.

Course work taken at another school will not be considered as a repeat for the same course taken at UCC.

degree completion and catalog time limits

CATALOG TIME LIMIT FOR PROGRAM COMPLETION
Students must complete the degree requirements listed in the catalog under which they began their program within a five-year time span. After five years, students must either complete program requirements currently in effect, or petition the Department Chair (for career-technical programs) or the Director of Admissions and Records (for transfer programs) for an extension of time or an approved adjusted program.

DEGREE COMPLETION AT ANOTHER INSTITUTION
Under extraordinary circumstances a student may petition the Office of Admissions and Records for permission to complete a maximum of 15 credit hours of degree requirements at another institution. In order to qualify, the student must have met the UCC residency requirements. Completion time is limited to one calendar year following the last term of attendance at UCC.

GRADUATION & RESIDENCY REQUIREMENTS
Degrees, and certificates are awarded at the conclusion of each term. The commencement ceremony to honor degrees and one or more year certificates is held in June.

It is your responsibility to request a graduation evaluation to ensure that all requirements are completed. For June graduates, the evaluation should be requested by March 1, of the year in which the certificate or degree is to be awarded. To receive any degree from UCC, a student must maintain a 2.00 cumulative grade point average, attend UCC for two terms including the last, and complete a minimum of 24-credit hours at UCC.

LIMITATIONS
1. Physical Education Activity Courses - 12 hours maximum.
2. Students may not receive credit toward a degree or certificate for courses in which they have previously completed advanced work (e.g., BA 151) after completing BA 211.

SECOND DEGREE OR CERTIFICATE
To earn a second Associate Degree, students must satisfactorily complete a minimum of 24 credit hours in addition to those completed for the first degree. To earn a second Program Certificate, students must complete a minimum of 12 credit hours in addition to those completed for the first certificate.
academic status

HONOR ROLL

For full-time students, UCC maintains two levels of Honor Roll. The President’s Honor Roll, 3.75 - 4.00 GPA for the term, and the Dean’s Honor Roll, 3.50 - 3.74 GPA.

GRADUATION WITH HONORS

UCC recognizes Honor graduates as follows:

- 4.00 GPA — Highest Honors
- 3.75 - 3.99 — Honors

For the commencement program the cumulative GPA through winter term is used.

UCC HONORS COLLEGE

The UCC Honors College is comprised of two sets of criteria: one for courses to be eligible for Honors College designation, and one for earning acknowledgements on transcripts.

Honors College Courses

Any course meeting the following criteria may be approved by the Curriculum Committee as an Honors College Course. The course must be acceptable for credit in an approved degree or certificate program.

The course must include at least one option for students to demonstrate mastery in the application of one or more course outcomes at an exceptional level of competence.

A comprehensive list of Honors College courses is included below, and updated on the website, as classes are added to the list.

Honors College Course List

ENG 104, 105, 106 Introduction to Literature
ENG 201, 202, 203 Shakespeare
ENG 253, 254, 255 Survey of American Literature
ENG 288 Cultural Diversity in Contemporary American Literature
SOC 206 Social Problems and Issues
SP 112 Persuasive Speech
WR 123 English Composition

Honors College Acknowledgement

Honors College designation will be transcripted on any eligible course for any student completing the additional requirements approved by the Curriculum Committee.

To receive recognition on official transcripts, students must meet the following criteria

- apply for honors designation for the course within the first two weeks of the term with the appropriate faculty member and
- successfully complete the honors requirement for the course.

PHI THETA KAPPA

Phi Theta Kappa is an international honor society for community colleges. It was founded in 1918 at Stephens College in Columbia, Missouri by two-year college presidents to give prestigious recognition to community college students with excellent scholarship and character. Made up of over 1.2 million members, Phi Theta Kappa touches 1,200 campuses around the world. The benefits of membership are numerous, including a notation on your transcript, the privilege of wearing the Phi Theta Kappa academic regalia at graduation, and a myriad of scholarship opportunities.

The purpose of Phi Theta Kappa is to recognize and encourage scholarship among two-year college students. Phi Theta Kappa chapters provide opportunities for

- the development of leadership & service
- the exchange of ideas and ideals
- fellowship and
- for stimulation of interest in continuing academic excellence.

Membership is based on completion of two terms at UCC, with a total earned credit hours of 12 or more and a cumulative GPA of 3.50 or higher. There is a one-time fee which enrolls you into the campus chapter, the region and the International Society.

For more information about Phi Theta Kappa, please contact Marjan Coester at 541-440-7749 or visit the Student Life Office located in the Campus Center.

ACADEMIC PROBATION

As a student at Umpqua Community College you are expected to make satisfactory progress toward your educational goals. Satisfactory progress means fulfilling the college requirement of a 2.00 (C) accumulative GPA necessary to receive a degree or certificate.

You will be placed on academic probation if your accumulative GPA falls below 2.00. Probation is a warning that you are not making satisfactory progress. After two consecutive terms of unsatisfactory progress, you will be automatically suspended. An exception may be granted if your term GPA is 2.00 or above but your accumulative GPA fails to meet the required minimum; in such cases students remain on academic probation. After attempting 36 credits, you must have a minimum 1.75 accumulative GPA or you will be suspended. You must then follow one of the stipulated procedures for re-admission as outlined in the Suspension and Re-admission procedure. You have 90 days to appeal if you believe an error has occurred on your academic record.

If you receive financial, veterans, or other aid through UCC, you must also meet the satisfactory progress requirements required by each agency.

ACADEMIC SUSPENSION

The College administration has discretionary authority to suspend students whenever it is apparent that such action is necessary. If you have been suspended for academic deficiency or unsatisfactory progress you may appeal through the Academic Standards Committee for re-admission. Specific instructions are provided in the letter of notification.
**RE-ADMISSION AFTER SUSPENSION**

As a suspended student you have four options available;
1. Continue in attendance as a part-time student (8 credit hours or less);
2. Discontinue attendance for one academic year;
3. Meet with Director of Advising and Counseling, submit an Academic Standards appeal, appear before the committee, and receive approval for continued enrollment above eight credits.
4. Bring accumulative GPA to a 2.00 or better.

**FORGIVENESS OF PAST ACADEMIC PERFORMANCE**

If your past academic records at Umpqua Community College are detrimental to future academic or occupational pursuits, you may, after a period of five years following the term(s) for which forgiveness is desired, petition the Academic Standards Committee for forgiveness of past performance.

Meet with the Director of Advising and Counseling, submit an Academic Standards Appeal, and provide a description of why a problem happened in the past and state why your past academic record is detrimental to future academic or occupational goals.

Forgiveness of past performance will eliminate past credits, grades and GPA from consideration in current or future academic standing at UCC. However, the past record will remain as part of your permanent record at UCC and will be provided to another college or university if you wish to transfer credits, and that college’s policy will then apply.

Courses satisfactorily completed during the requested forgiveness period (grade of C or better) that meet institutional requirements may be waived toward degree requirements. However, such credits will not be counted toward the total credits required for graduation. Students seeking academic forgiveness must do so prior to completing their degree or certificate; those that have graduated from UCC are not eligible to take advantage of this policy.

Forgiveness may be granted only once at UCC, and is noted on the academic transcript.

**ATTENDANCE**

You are accountable for attending class(es) in which you are officially enrolled. If you do not attend during the first day of class or contact the instructor, the instructor may withdraw you from the class. To ensure you have been withdrawn you must contact the Office of Admissions and Records. Classes that meet less than the regular length of the term have different deadlines (see Schedule of Classes for dates). A grade will be assigned in credit classes unless an official drop or withdrawal has been processed by the published deadlines (see Schedule of Classes for dates).

Instructors may announce an attendance policy for your classes. It is your responsibility to obtain attendance rules from each instructor in cases of late enrollment.

Only students who have officially registered may attend classes. Starting the first week of the find the student’s name must appear on the Class Roster, or the student must have a class schedule which shows they are registered for the class.

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**student educational records**

The Family Educational Rights and Privacy Act (FERPA), also known as the Buckley Amendment, covers the release and inspection of each student’s educational records. In compliance with FERPA, Umpqua Community College has formulated the Student Records Policy to outline the proper handling and release of student educational records.

**YOUR RIGHTS UNDER FERPA**

The Family Educational Rights and Privacy Act (FERPA) gives all matriculated students certain rights regarding their education records. As a student at Umpqua Community College you have the right:

- To inspect and review your education records. You may request to review your education records by submitting a written request to the Registrar or other school official having custody of such records. The College will normally comply with your request to inspect your education records within ten days, but in no case more than 45 days from the request;
- To seek amendment of your education records that you believe are inaccurate, misleading, or otherwise in violation of your privacy rights. Requests for amendment of education records must be in writing and must describe the specific portions of specific records you wish to have amended, text or instructions as to the change desired, and the reasons why the change is justified;
- To consent to disclosure of personally identifiable information contained in your education records, except for when consent is not required by FERPA. FERPA does not require your consent when disclosure is to other school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position; a person or company with whom the college has contracted or appointed as its agent; or a student serving on an official committee or assisting another school official in performing the official's tasks. A school official has a legitimate educational interest if the official needs to review an education record to fulfill their professional responsibilities. FERPA also allows the disclosure of your directory information without consent, but you may request that your directory information not be released. If you wish to make such a request, you must do so according to the procedures outlined in the following section under the heading “Directory Information”;
- To file a complaint with the Department of Education, Family Compliance Office, concerning alleged failures by the college to comply with the requirements of FERPA.

**USE OF SSN (SOCIAL SECURITY NUMBER)**

OAR 589-004-0400 authorizes Umpqua Community College to ask you to provide your Social Security Number. The number will be used by the college for reporting, research, and record keeping. Your number will also be provided by the college to the Oregon Community College Unified Reporting System (OCCURS), which is a group made up of all community colleges in Oregon, the State Department of Community Colleges and Workforce Development, and the Oregon Community College Association.
student development & services

Umpqua Community College offers a wide range of student services to meet a variety of needs. Academic, financial, social, and personal services are available at little or no cost. We hope you will take advantage of the services available and the opportunities they present.

ACADEMIC ADVISING

Academic advising is available in the Advising and Career Service Center. A variety of student services are provided to meet a student’s individual needs while attending UCC. Services provided by an academic advising specialist may include:

• One-to-one academic advising sessions
• Assessing with course placement and selection
• Creating first term schedules
• Development of a Term-by-Term Planner
• Understanding of academic policies and procedures
• Degree requirements and transfer options
• Campus and community resources and referrals
• Demonstration of RiverHawk Web online services
• Academic appeal process and information
• Advising and Career Service Center assists new students move through the educational process of enrollment at UCC and helps continuing students in reaching their educational goal. Visit the Center in the Campus Center Building or call 541-440-4610.

BOOKSTORE

The UCC Bookstore is located in the Campus Center Building, on the main campus. The bookstore offers course textbooks, general books, computer software and hardware, clothing, gifts, cards, snacks, and a wide variety of school supplies.

Bookstore hours are 7:30 a.m. to 5 p.m. Monday through Friday, for the fall, winter and spring terms. Summer hours are 7:30 a.m. to 5 p.m. Monday through Thursday.

During the fall, winter, and spring terms the bookstore will be open until 6 p.m. the first two days of classes. Please plan on bringing your class schedule to assure the purchase of the correct textbooks for your classes.

You can now purchase textbooks online through the UCC Bookstore website with a Visa or Mastercard. Allow a 24 hour ship time and only street addresses will be accepted. NO PO BOXES.

The Bookstore also rents textbooks from an affiliate site through the Bookstore webpage, www.umpqua.edu/bookstore.

Textbooks purchased during the term may be returned until the end of the first week of school, providing the textbook is in the same condition as purchased, and proof you dropped the class and a receipt for the item are provided. Textbooks or software in shrink-wrap, labeled no-return if opened, may be returned for a refund during this time if unopened. Opened items may be eligible to sell at the buy-back at the end of the term.

The UCC bookstore will have a textbook buy-back during the last three days of finals week during the fall, winter and spring terms. A limited buy-back will be held during the end of the summer term.

OCCURS gathers information about students and programs to meet state and federal reporting requirements. It also helps colleges plan, research and develop programs. This information helps the colleges to support the progress of students and their success in the workplace and other education programs. OCCURS or the college may provide your social security number to the following agencies or match it with records from the following systems:

• State and private colleges, universities, colleges and vocational schools to find out how many community college students go on with their education and to find out whether community college courses are a good basis for further education;
• The Oregon Employment Department, which gathers information, including employment and earnings, to help state and local agencies plan education and training services to help Oregon citizens get the best jobs available;
• The Oregon Department of Education, to provide reports to local, state, and federal governments. The information is used to learn about education, training, and job market trends for planning, research, and program improvement.
• The Oregon Department of Revenue and collection agencies only for purposes of processing debts and only if credit is extended to you by the college.

State and federal laws protect the privacy of your records. Your number will be used only for the purposes listed above.

DIRECTORY INFORMATION

Umpqua Community College defines certain information as Directory Information, and this information may be released to a third party. Students may sign a Directory Information Hold Form which will prevent the release of this information. Students who sign the request will not be listed in news releases concerning honor rolls, or in commencement related publications. UCC defines Directory Information as:

1. Student’s name
2. Student’s email address
3. Date of enrollment
4. Degree and awards received
5. Dean’s list, President’s list, honors list.
6. Participation in officially recognized activities and sports
7. Weight and height of members of athletic teams
8. Most recent previous educational agency or institution attended
9. Under the Solomon Amendment names and addresses will be released to the branches of the US Armed Forces upon request
10. In compliance with the Hope Scholarship and Lifefime Learning Tax reform, information will be released to the IRS.

If a student has not filed a hold, UCC will assume the student approves disclosure. If a third party requests information other than that listed above, a copy of your signed authorization will be required.
Textbooks eligible for book buy-back usually include texts that will be used the next term on our campus. The textbook buyer also buys for other schools on a supply and demand basis. Price paid at buy-back varies with each book, but can be as much as one half the amount paid.

The UCC Bookstore is a non-profit self-sustaining operation owned by Umpqua Community College.

BUS SERVICE
Regularly scheduled transit service, provided by Umpqua Public Transit, is available to UCC students each term. Bus passes are available each term for $45 to currently enrolled students from the UCC Cashier. Students must show a UCC Student ID card and current class schedule. The service picks up and delivers students daily to the UCC campus. The bus stop is located between Jacoby Auditorium and the Administration Building. Bus schedules are available in the Campus Center. For more information call Umpqua Transit at 541-440-6500, or online at www.umpquatransit.com.

CHILD CARE
Umpqua Community College offers a limited number of spaces for child care on campus. The Ford Childhood Enrichment Center also functions as a training laboratory for students in Early Childhood Education.

Children ages 6 weeks through 5 years of age may attend part or full time, depending on the parents’ schedules. Cost depends on the number of hours the child attends. Applications are accepted throughout the year. For more information, visit the child care office in the Ford Childhood Enrichment Center, or phone 541-440-7741.

DISABILITY SERVICES
Students who experience barriers to access will find UCC’s campus to be accessible and accommodating. Support services are available to students with any type of disability including mobility, auditory, visual, learning, chronic illness, and psychological. Services include, but are not limited to, alternate testing, note takers, readers, interpreters, mobility assistance, assistive technology, and consultation/collaboration with faculty and Student Development staff.

Students will receive accommodations and other disability support services only when they submit appropriate documentation and register with the Disability Services office. New students are encouraged to make an appointment with the coordinator prior to taking the placement test, and as soon as possible each term for ongoing services. Please visit the Disability Services on the UCC web page for additional information (www.umpqua.edu/disability-services-home).

An accessible computer station is located in the library. Students with disabilities are invited to try various assistive/adaptive technology such as voice synthesizers, text scanners, voice recognition software, large monitors, and screen enlargement software. The equipment can then be installed as needed or requested on an individual basis in the various computer labs on campus.

When requesting accommodations for performances and other public events, Disability Services will assist you in making the necessary arrangements, 541-440-7655 or 541-440-7760 or Oregon Relay at 1-800-735-2900. The Disability Services Offices is located in the Advising and Career Service Center in Campus Center Building.

FOOD SERVICE
River Rush Cafe provides complete meals, deli sandwiches, a la carte selections, and snacks for students in the Campus Center Building cafeteria. The main dining room is open from 7:30 a.m. to 5 p.m. Monday through Thursday and 7:30 a.m. to 2 p.m. Friday, with featured lunch selections served between 11:30 a.m. and 1 p.m.

River Rush Bistro is operated by culinary students and provides both a la carte and buffet menus. Menus feature local, regional and international cuisines. For dates and times of operation please visit http://www.umpqua.edu/river-rush.

Vending machines, located between the main dining room and the student lounge areas, provide beverages and snacks throughout these times and in the evenings.

River Rush Cafe is a non-profit self-sustaining operation owned by the college.

STUDENT HEALTH (ACCIDENT AND SICKNESS) INSURANCE ELECTIVE PARTICIPATION BY STUDENTS
Student Accident and Sickness Insurance is an important component of your ability to continue your education. A serious injury or illness could interrupt your education plans by diverting necessary funds for educational expenses to medical expenses. Umpqua Community College offers a Student Accident and Sickness Plan, serviced by Insurance Benefits, LLC Bruce Ricks & Associates. The plan is designed to provide an excellent level of insurance protection, at an affordable cost. Enrolling in the plan is voluntary. For more information, please visit the UCC website or pick up a brochure from the Admissions Office or the Student Life Office; both offices are located in the Campus Center.

STUDENT INSURANCE FEE — MANDATORY PARTICIPATION BY STUDENTS
Students pay $5 per term of enrollment for insurance which provides coverage during supervised college activities (i.e. classes and field trips) and travel to and from such activities. The insurance covers injury caused solely by an accident which happens while the student is taking part in a college supervised activity. For more information, contact the Student Life Office, located in Campus Center.

INSTRUCTIONAL TECHNOLOGY
UCC offers excellent computer facilities to students, faculty, and staff. Over 300 computers are available for use including the PC and the Apple/Macintosh format. The computer laboratories are located in the various buildings on the main campus as well as the various outlying satellite campuses. The computer lab hours vary during the term, and some open lab times are also offered during evenings and weekends. Lab assistants are generally available for assistance. Information Technology at Umpqua Community College is committed to providing instructional technology excellence that meets or exceeds user demand. UCC also provides an extensive wireless accommodation for use with laptops, PDAs, and other wireless devices.

All use of college-owned computer equipment and network services must be in compliance with applicable UCC policies, procedures and guidelines as well as the laws of the State of Oregon. Please refer to materials posted in labs or the college web page for details (http://www.umpqua.edu).
LIBRARY

All college students and anyone living in the college district are eligible to receive library services at no cost. Check with the library for policies and open hours by calling 541-440-4640, or visit our website: ucclibrary.com.

The knowledgeable staff is friendly and focused on customer service. The library provides the only open computer lab on campus dedicated to serving all students across the curriculum. Quiet study space, open seating and study carrels for 165 individuals, and reference service are available. The library houses 40,000 books, DVDs, CDs, and a traditional circulating and reference book collection. Other services include: online database subscriptions, fax service, scanners, wi-fi access, networked printers, a wireless printer, and copy machines, both color and black and white.

Textbook reserves, lab aides, a technology help desk technician, laptop computer check-out, a study room, and interlibrary loan are available for students. Lockers, restrooms, an ATM, and vending machines are located in the library lobby.

The library staff can show you how to use the library’s services and collections and help you find the information you need.

The reference librarian teaches library skills to classes across campus and offers LIB 127 “Library and Internet Research,” a 3 credit class, each term. Learn how to use the library, research your favorite subjects, improve your performance on class projects, and move between online and in print information sources with ease. Have fun becoming a life-long learner!

PARKING

Umpqua Community College provides more than 1,450 parking spaces located near all campus buildings. Of these, 171 are designated to all part-time and full-time employees. All employees are given a yearly parking permit. Designated parking spots for employees are marked by green lines, curbs and employee only signage. All part-time and full-time students also receive a yearly parking permit. Designated parking spots for students are marked by yellow lines, curbs and student only signage. All white marked lines and curbs are regarded as open parking. These spots are available to everyone. Red zones are usually fire related areas and are considered restricted lanes and zones with no parking allowed at any time.

Visitor parking is clearly divided into 2 separate areas. One area is 30 minute visitor only and the other is Visitor Day parking only. All areas are designated by purple curbs, lines, and signage. The 30 minute only is for non-student activities and strictly enforced. The Visitor Day parking is for specific day use only with one day permits available at front desk of the Administrative Building or in advance through the UCC Security Department.

Disabled Person parking is available throughout the campus. Special stickers are required for parking in clearly marked Disabled Parking spaces. All handicapped spaces are clearly marked blue with signage. All stickers and placards required to park in these spaces are issued at the Oregon Division of Motor Vehicles in accordance with ORS 487.915. Temporary permits for short term disabled parking at Umpqua Community College may be obtained at the security office located in the Facilities Department.

Traffic citations will be issued for improperly parked vehicles. Any vehicle left unattended on UCC property for more than 72 consecutive hours will be deemed abandoned and towed at owner’s expense. Penalties/fines may be paid through the cashier located in the Administration building. All traffic and parking issues should be addressed through the Director of Safety and Security located in the Security office.

Any citation issued by the Security Department may be appealed to the Director of Security for review. An appointment for appeal must be submitted to the Security Department within seven (7) working days of the issuance of the citation. Citations not appealed within this seven (7) working day period will not be open for review.

Umpqua Community College reserves the right to change any of these regulations without prior notice as needed for the safety and security of the campus. Such changes will be posted prominently throughout the campus community and through all available forms of campus communication lines.

AUTHORIZED TESTING CENTER

We offer testing for CLEP LSAC, ACT and DSST and are a certified test center for Prometric, Metro Institute and Castle Worldwide offering Information Technology, Pesticide and ACES testing. For information call Testing Services at 541-440-7659 or email: Nancy.Hart@umpqua.edu

STUDENT ID CARDS

All registered students are entitled to an ID card. The ID card serves as your official UCC photo identification and can be utilized as a UCC Library Card. A student I.D. card is required in order to get a parking permit. ID cards are available from the Student Life Office; call 541-440-7749 for ID card processing hours. ID cards must be validated each quarter you are enrolled; validation stickers are available from the Information Desk, located in the Campus Center; from the Cashier located in the Administration building, and the Student Life Office, located in Campus Center.

TESTING SERVICES

Testing Services provides proctored testing with: Compass testing, GED tests, UCC Angel online courses, hosted online courses, industry based and ability to benefit exams. UCC is the official GED test center for Douglas County. For more information or to schedule an exam, please contact Testing Services at 541-440-7659 or stop by the Campus Center Building.

TUTORING SERVICES

The Tutoring Center is located in the Educational Skills Building (ESB 15). Peer tutors are available for most college subjects and tutoring is a free service for all enrolled UCC students. Subjects tutored include math, writing, science, psychology, Spanish, AutoCAD, and CIS. All peer tutors have successfully completed courses in their subjects with an A, and have also been recommended by an instructor. Schedules for tutoring are available in the Tutoring Center, or on the UCC homepage under Tutoring Center.

What Tutors Can Do:

• Review and explain assignments.
• Assist in textbook understanding.
• Peer edit and proofread written papers.
• Help students improve their basic skills.

What Tutors Can’t Do:

• Teach material that is presented in your classes.
• Write paragraphs, papers or speeches for you.
• Do homework for you.

For more information, call the tutoring coordinator at 541-440-7733.
VETERANS

The Veterans Education Services Office was established to provide service to veterans and their eligible dependents in applying for and receiving Veterans Administration educational benefits, VA work study, and other supportive services. You are encouraged to contact the Veterans Coordinator in the Campus Center Building, or call 541-440-4621 for assistance or more information.

You can establish eligibility with the VA for full-time benefits by taking 12 or more eligible credits, three-quarter time benefits with 9 to 11 eligible credits and half-time benefits with 6 to 8 eligible credits. Only tuition and fee benefits are available to students taking less than half-time. If you are taking GED courses you must attend class 18 hours or more per week to be considered full-time.

Veterans and other military personnel need to check with the Admissions and Records Office regarding procedures for acceptance of military credits.

The Veterans Coordinator will assist you in filling out the necessary paperwork to establish eligibility for educational benefits. Documents must be provided verifying prior education and military service, or benefits will be delayed. Eligibility for benefits and monthly payments is done through the UCC Veterans Education Services Office.

After certification by the college and the VA you must:

1. Maintain satisfactory progress (described below).
2. Enroll only in courses that are part of the certified program. By taking classes outside of the certified program, you will be liable for overpayments from the VA.
3. Complete at least the minimum hours for which you were certified. Overpayments will occur if you enroll in but do not complete your credits for which you were certified.
4. Inform the VA Office immediately of schedule or address changes, as it takes up to six weeks to process the changes.
5. Chapters 30, 1606 and 1607 must certify enrollment status with the Veteran’s Administration monthly, by logging on to https://www.gibill.va.gov/wave/index.do or by calling 1-877-823-2378.

Application can be made for advance pay if there is more than a 30-day break between terms. Advance pay requests must be received by the UCC Veterans Education Services Office at least 30 days prior to the beginning of the term for which advance pay is requested. Advance pay checks are sent directly to the Finance Office at UCC.

Veterans Satisfactory Progress

Students receiving veterans educational benefits must comply with the following:

A student is considered in good standing when he/she maintains a 2.0 GPA on both term and accumulative grade records.

Any reduction of class load which will affect the student’s status will be reported to the VA and could result in an over payment.

A maximum of 45 hours of deficiency courses will be allowed for any veteran student.

Veterans whose GPA falls below 2.0 will be advised that they are on probation.

Students who do not maintain a 2.0 GPA for two consecutive terms will receive a notice of suspension. The appropriate VA Regional Office will also be informed. Once students are placed on Unsatisfactory Progress they must enroll for, and complete, one term on their own before the veterans office will submit their records to the VA for recertification. During the term, students must maintain the same credit-hour level as they did when they were certified and must also earn a minimum 2.0 GPA for the term.

TRiO

What is TRiO?

Our nation has asserted a commitment to providing educational opportunity for all Americans regardless of race, ethnic background or economic circumstance.

In support of this commitment, Congress established a series of programs to help low-income Americans enter college, graduate and move on to participate more fully in America’s economic and social life. These Programs are funded under Title IV of the Higher Education Act of 1965 and are referred to as the TRiO Programs (initially just three programs). While student financial aid programs help students overcome financial barriers to higher education, TRiO programs help students overcome class, social and cultural barriers to higher education.

Umpqua Community College is home to three TRiO Programs: Student Support Services-Transfer Opportunity Program, Educational Talent Search and Upward Bound.

Transfer Opportunity Program/Student Support Services

The Transfer Opportunity Program is a Student Support Services-TRiO project funded by the U.S. Department of Education on a $269,486 year grant to serve 160 students. The program is designed to assist eligible students to complete requirements at UCC for transfer to a four-year college or university. The Program offers a variety of free resources and support that students need to develop an educational plan, make informed career decisions, and gain the tools and skills necessary to successfully complete their educational goal of earning a bachelor’s degree.

What does the Program offer?

Academic Advising, Career Advising, Tutoring, College/Campus Visits, Cultural Enrichment, Book Resources, Transfer Assistance, Financial Aid/Scholarship Assistance, and Educational Seminars on a variety of topics.

Eligibility

Students qualify based on federally-defined criteria as follows:

- Meet the federal low-income guidelines and/or be a first-generation to attend college and/or have a documented physical/learning disability;
- Have an educational goal of earning a bachelor’s degree at a four-year college or university after finishing at UCC;
- Be a US Citizen or permanent resident.

Application

Pick up an application in the Transfer Opportunity Program Center located in the Campus Center Building or visit the website at www.umpqua.edu/transfer-opportunities. For further information, call the Transfer Opportunity Program office at 541-440-4712.
CAREER

• Career Assessment Inventory (CAI)
• Myers-Briggs Type Indicator (MBTI).
• Oregon Career Information System (CIS)
• Oregon Labor Market Information System (OLMIS).

Talent Search

Talent Search programs serve young people in grades six through twelve. In addition to academic advising, participants receive information about college admissions requirements, scholarships and various student financial aid programs, financial literacy and career exploration. This early intervention program helps students from families with lower incomes and where neither parent has a Bachelor’s degree to better understand their educational opportunities and options. Over 219,000 students are enrolled in 461 Talent Search TRIO programs. Umpqua Community College’s Educational Talent Search program was originally funded in 2002 and re-funded in 2011 on a five-year grant to serve 600 students. ETS has on-site coordinators at South Umpqua, Riddle, Glide, Oakland, Douglas, Roseburg and Sutherlin High Schools, as well as the before-mentioned middle schools. Other then academic and career advice, students are also exposed to numerous cultural and educational field trips during the school year. ETS is funded on a $230,000 a year grant. For more information on ETS, please call 541-440-4606.

Upward Bound

Upward Bound helps young students to prepare for higher education. Participants receive instruction in literature, composition, mathematics, world languages, and science after school, on Saturdays, and during the summer. Currently, 951 programs are in operation throughout the United States. Umpqua Community College’s UB Program was funded in 2007 on a four-year grant, and the college has applied for continued funding. UCC’s UB serves 50 students from Douglas and Roseburg High Schools. There are on-site coordinators who assist students with their academic and career exploration needs. Students also participate in a 6-week summer academy where they take advanced classes at UCC to prepare them for the upcoming academic year. The students are invited to attend cultural and educational experiences throughout the year to help them realize their college and career dreams. Upward Bound is funded on a $250,000 a year grant. For more information on Upward Bound, please call 541-440-4606.

ONE STOP

Umpqua Community College participates in the Douglas County/WorkSource Oregon One-Stop Career Center system. Job seekers and employers can access regional and statewide information through this system at the UCC Workforce Training Center, located at 2555 NE Diamond Lake Boulevard in Roseburg.

CAREER SERVICES

Career services are available in the Advising and Career Service Center. A variety of career services and resources are provided to meet occupation decision-making and employment preparation needs. Services provided by a professional staff member may include:

• Resume Assistance
• Job Search Correspondence
• Interviewing Resources
• Career Job and Resource Fair
• Cooperative Educational Opportunities
• Career Assessment Inventory (CAI)
• Myers-Briggs Type Indicator (MBTI).
• Oregon Career Information System (CIS)
• Oregon Labor Market Information System (OLMIS).

• Job Placement: Through the federal Job Location and Development Program (JLD), Job Placement identifies employment opportunities for students who want to work regardless if they are eligible for federal student aid. Part-time and full-time vacancies are posted in the Advising and Career Service Center. Program registration is required.

Visit the Advising and Career Service Center to access career services in the Campus Center Building or call 541-440-4610.

COORDERATED WORK EXPERIENCE

Cooperative Work Experience is a structured work experience. Students are concurrently enrolled in a related academic program. The work experience is directly related to the goals and objectives of the individual student’s education program, coupling classroom learning with workplace training. The college and participating firms and organizations cooperatively develop training and evaluation plans to guide and measure the success of each student. Each course is offered summer, fall, winter, and spring terms.

• Up to twenty-four CWE credits may count toward the AAS and AGS Degrees.
• Up to twelve CWE credits may count toward the AAOT elective requirements.
• Up to twelve CWE credits may count toward the one-year certificate.
• Requires instructor consent. Some programs may limit the number of credits allowed per term.
• See a faculty or academic adviser for requirements specific to your program.
• Some programs require students to complete a CWE seminar. CWE Seminar I is one credit. Credits earned for CWE Seminar I are part of the annual total credits allowed. For more information on how to begin CWE, visit the Career Service office in the Campus Center building or call 541-440-7748.

ASSOCIATED STUDENTS OF UCC

The Associated Students of Umpqua Community College (ASUCC) provide representation for all students to the college administration by participating as voting members on all major college committees. ASUCC encourages the formation and support for clubs, organizes activities for students, and helps students learn leadership skills that will serve as a foundation for their future career success. They also involve themselves in community service activities.

Participants can learn valuable leadership skills in student government, develop friendships and establish contacts with the college staff. ASUCC Officers and Senate positions are eligible for compensation.

Executive officer positions—filled by election—include the President, Vice President, Activities Officer, Public Relations Officer, and Business Manager/Secretary. Senator positions are filled through a petition and appointment process.

Executive officers’ positions are filled during the spring term. Senator positions are considered on a regular basis and are open to all full- and part-time students. Student Government holds weekly meetings. All are invited to attend.

For more information drop by or contact the Director for Student Life at 541-440-7749.
CLUBS

Student clubs and organizations provide you with an opportunity to combine various aspects of your academic and/or vocational learning into personal action. Through participation in a student club or organization, you learn to apply the skills and responsibilities of leadership (communication, team building, problem solving, meeting management, decision making and conflict management) and you become involved in your community. Clubs are a great way to meet other students with similar interests and have fun while developing lifelong skills.

Student clubs must be open and available to any Umpqua Community College student regardless of race, creed, religion, color, national origin, sex, age, sexual orientation, marital status, disability, or status as a disabled or Vietnam era veteran.

A chartered (certified) student club is any student club which has been officially recognized by the ASUCC Student Government. Student clubs may exist on campus without official recognition but will not be eligible for subsidy by the ASUCC or be granted the benefits given to a chartered student club.

If you are interested in chartering a club, stop by the Student Life office and pick up a club charter (certification) form. If you have any questions, please contact the Student Life Office, located in the Campus Center or phone 541-440-7749.

ATHLETICS

UCC is a member of the Northwest Athletic Association of Community Colleges and actively participates in men’s and women’s basketball and women’s volleyball. Competition comes from community colleges within the state as well as Washington and Northern California.

Team membership is based on skills and abilities to play at the intercollegiate level. Any qualified student is welcome to try out. Besides the benefits of physical development, participants learn teamwork, self discipline, and leadership skills. A number of members of each team also receive merit awards to help pay for tuition.

UCC is known for fielding first-rate competitive teams that provide exciting entertainment. All students are encouraged to attend and support UCC athletic events. Team colors are green, beige, and white, and the college mascot is the Riverhawk. Those interested in becoming a team member, contact the Athletic Director, 541-440-4627.

MUSIC AND THEATRE ARTS

The UCC Music program sponsors a number of performing groups, including Symphonic Choir, Band, Orchestra, Chamber Choir, and Concert Choir. All students are welcomed, and college credit can be earned. In addition, numerous music classes are offered, including individual lessons.

The UCC Theatre program produces four to six plays during the year, including summer musicals. Casting tryouts are open to all students and college credit may be earned for participation. In addition, classes in theatre arts are offered throughout the year.

Merit awards are awarded to outstanding music and theatre students each term. Call the music faculty at 541-440-4693 or theatre faculty at 541-440-4694 for more information.

STUDENT NEWSPAPER

UCC’s student newspaper, The Mainstream, provides both print and online editions. It is primarily staffed by students enrolled in Journalism Production (J 215) which is a variable credit course (students may enroll for 1, 2, or 3 credits per term). A scheduled class time for J 215 is listed in the UCC catalog, but students who are unable to meet at that time due to schedule conflicts should contact the adviser for a possible schedule override.

J 215 students explore media writing, graphic design or both in a hands-on training environment under the leadership of an adviser and student editor. Students can gain experience in Associated Press style, media writing formats, interviewing, copy editing, journalism ethics, media graphic design, advertising, and working as a creative team.

No prerequisites are required for J 215, but students interested in media writing for The Mainstream should consider taking J 251 Writing for the Media either concurrently or before J 215. Students enrolling in J 215 must be able to meet deadlines and interact positively on a work team.

For information about The Mainstream, contact the adviser Melinda benton@umpqua.edu or the staff at uccmainstream@yahoo.com.

COMMUNITY EDUCATION

The UCC Community Education Department’s serves the life-long learning needs of Douglas County residents through a variety of programs, classes, workshops and activities. From art to yoga or woodworking to first aid, Community Education staff members strive to be responsive to the ever-changing needs of patrons throughout the district.

The Department coordinates non-credit classes in three broad areas: Fun, hobby, and personal enrichment 
Business & Career Training 
Safety and health certifications

Community Education includes Adult and High School Driver Education courses, American Heart Association CPR/First Aid courses, coordination of Gold Cards and Disabled Gold Cards, Continuing Education Units (CEUs), College for Kids, Matrix Teen activities and much more.

The Community Education Department hosts courses in convenient locations throughout the county including UCC campus, businesses, schools and senior or community centers. Activities are delivered in a variety of formats: full-term, 1-to-4 weeks or one-day workshops.

Class offerings are updated each term and can be found in the UCC Class Schedule distributed to your home mailbox or online at: http://www.umpqua.edu/commed.

For more information on Community Education activities, please call 541-440-4601, visit our website or drop by the Department office located in Lockwood Hall, Room 14.

OFF-CAMPUS CLASSES

UCC Community Education offers courses located off-campus throughout the college district. These include non-credit educational, recreational, self-improvement, cultural and personal growth activities. Consult the UCC Schedule Credit and Non-Credit sections for a listing of courses in your area.

Community Education Coordinators serve all areas of the college district. Their names and contact numbers are listed in the Community Education portion of the schedule. If you have an interest in a particular class, contact the Community Education Department at 541-440-4651.
community services

THE ART GALLERY AT UCC

The UCC Art Gallery is located in the Whipple Fine Arts Building. There are six exhibits during the academic year. Above the main floor is a mezzanine gallery that features student art work on a continuous basis. Both galleries feature exhibits in a variety of media, including ceramics, drawing, painting, photography, printmaking and sculpture.

Gallery hours are 8 a.m. to 4 p.m., Monday through Friday and by appointment. There is no admission charge. To receive information about the Art Gallery and its programs, please call 541-440-4692 or 541-440-4691.

CONTINUING EDUCATION UNIT

The Continuing Education Unit (CEU) is used by some professional and occupational groups as a means of measuring time spent in upgrading activities and in-service. CEUs are given for non-credit and non-graded activities. They are awarded at the discretion of the college.

For more information, contact the Special Projects Coordinator, 541-440-4601.

CUSTOMIZED TRAINING & WORKFORCE DEVELOPMENT SERVICES

Increase your employees’ productivity and your organization’s bottom-line utilizing UCC’s customized training and workforce development services. Computer applications, manufacturing process skills, management training, leadership and team development, safety training and lean implementation are just a few of the many topic areas available. From entry-level to senior executive management team members, UCC can customize training to fit your needs. From individualized coaching and consulting to customized employee seminars, training is available when and where you need it twenty-four hours a day, seven days a week! For more information contact the Department of Workforce Development at 541-440-4673.

SUMMER RECREATION

During the summer months a number of athletic activities are offered for members of the community. Girls and boys basketball and volleyball camps are also offered. The pool will be closed summer 2012.

For information consult the Summer Schedule of Classes or call Summer Recreation & Sports Information at 541-440-7732.

distance learning

UCC Classes Offered Online

A growing number of online (internet-based) courses are offered through UCC. These courses generally appeal to students who need a more flexible schedule and are motivated, self-starting students who are able to accomplish much of the required course work independently. Requirements include: advanced computer skills, web browser software, internet connection, and a word processing program.

UCC online courses do have varying requirements for face-to-face meetings. Some instructors require an on-campus orientation. Others make the orientation optional or provide an online orientation. On-campus labs and/or proctored exams may also be required for completing certain online classes. For orientation information, check the UCC Course Schedule for your course.

Other Distance Learning Options

Interactive Videoconferencing

UCC offers two-way interactive videoconferencing courses. Courses can have a “live” or “virtual” teacher in the classroom. Courses originated by UCC will have a teacher present in the classroom, and the class content is presented using various audio-visual technologies. Courses UCC receives from other schools will present the distant instructor and curriculum content by means of an Internet connection.

Telecourses

UCC’s telecourses have a very limited offering but are another alternative for people who find it difficult to attend classes on campus and may not have an internet connection. You will be required to attend an orientation session, read the textbook, view the programs on TV or in the UCC Library, and take the exams. Instructors provide a course syllabus, viewing schedules, and are available for assistance by phone, mail or in person.

Academic Advising

Academic Advising for distance learning options and course information is available in the Advising and Career Service Center. For more information, call 541-440-7763.

For additional information including frequently asked questions and to see if online learning is right for you, please visit our website http://www.umpqua.edu/distance-learning-home.

small business development center

The Small Business Development Center is one of 19 SBDCs in Oregon established by the Oregon State Legislature in 1983. SBDCs were given the directive to assist and educate business owners and their families. About 200 businesses a year are served by the SBDC, with services ranging from a one-hour session to a long-term association. SBDCs offer low or no-cost workshops, seminars, technology assistance, and one-on-one business assistance. SBDCs were given the directive to educate and assist small businesses. SBDCs provide low or no-cost workshops, seminars, technology assistance, and one-on-one business assistance. SBDCs provide low or no-cost workshops, seminars, technology assistance, and one-on-one business assistance. SBDCs are currently located in the Workforce Training Center, 2555 NE Diamond Lake Blvd., but will be relocating in spring to the Umpqua Business Center, 522 SE Washington, Roseburg. For more information call 541-440-7824, email sbdc.info@umpqua.edu or visit the website at www.BizCenter.org.

TRAINING

SBDC offers an array of free or low-cost trainings to meet the needs of small businesses. Topics include starting a business, computer training, supervision and management, bookkeeping, marketing, human resource issues, and contractor license training. Call 541-440-7662 to find out what is being offered, future offerings, or to register for a class.
ADVISNG
SBDC offers free business advising to people considering starting a business, and also to business owners at any stage of their business duration. Topics may include: business startup, financing, forms of business, business plan creation, marketing, personnel and human resource topics, bookkeeping and taxes, taking your business to the next level, and dissolving or selling your business. There is no limit to the amount of hours or sessions.

SMALL BUSINESS MANAGEMENT
Small Business Management Program (SBM) is a nine-month course that places business owners in a cohort learning environment, where they benefit from peer-to-peer interaction, ongoing business advising, and high levels of accountability.

The series includes nine three-hour workshops that provide the “hard” and “soft” skills of entrepreneurship, coupled with 18 hours of confidential business advising.

SBM covers basic business elements of operation, finance, marketing, sales, human resources and business plan development. SBM is designed for established small business owners (1-50 employees) whose businesses are at least one year old. Service, retail, contractors, professional, and manufacturing businesses all have benefited from the SBM program.

To provide for continued analysis of business records and assistance with management decisions, program graduates can continue in the program on a “seminar” basis after the two-year program is completed.

GENERAL EDUCATIONAL DEVELOPMENT (GED)
The GED is a certificate of high school equivalency awarded by the Oregon Department of Education. To obtain it one must pass a series of five tests, and maintain a minimum average score on all tests.

The tests cover math, reading, science, social studies, and writing. A spontaneous, handwritten essay is a part of the writing test of high school equivalency. A calculator may be used on one part of the math test.

UCC offers both day and evening classes to help one prepare for the tests. Classes are held at Roseburg’s Woolley Center, Glendale Skills Center, Glide High School, North Douglas High School, UTE, Tr-City JOBS, and other locations around the county.

Completion of the GED Certificate or High School Diploma and 60 hours of instruction in a UCC class entitle the graduating student to free tuition for one college term at UCC. This tuition waiver must be used the year following completion of the final GED test or diploma, excluding Summer term.

For information on the schedule and fees, call 541-440-4603.

UCC is the official GED Test Center for Douglas County. Tests are given each week in the Campus Center building. You must first make an appointment by calling the UCC Testing Center, 541-440-4610.

OREGON PATHWAYS TO ADULT BASIC SKILLS (OPABS)
Oregon Pathways for Adult Basic Skills is a program designed to help students prepare for both the GED exam and to enter college or training, in a 3-term curriculum. While preparing for the GED exam, students will also work to achieve college level reading, writing, and math. They will also learn to use the various forms of technology required for college success. Students in OPABS participate in an evidence-based cohort model, which has strong success in assisting students to earn their GEDs and enter directly into college classes.

One cohort starts in the Fall, a second cohort starts in Winter, and a third cohort starts in Spring term. Students should expect to attend OPABS classes for three terms, total.

ADULT HIGH SCHOOL DIPLOMA
For students interested in earning a high school diploma, UCC offers the Oregon Adult High School Diploma (AHSD). The UCC diploma program has been approved by the Oregon Department of Education and the Oregon Department of Community Colleges and Workforce Development. The AHSD mirrors current state high school graduation requirements. For students graduating between July 1, 2012 and June 30, 2013, the credit requirements are as follows:

- Language Arts: 4
- Mathematics: 3
- Science: 3
- US History: 1
- Global Studies: 1
- American Government: .5
- Health Education: 1
- Physical Education: 1
- Career Development: .5
- Personal Finance: .5
- Economics: .5
- Applied Arts/Fine Arts/World Language: 1
- Computer Skills: 1
- Electives: 6
- Total credits: 24
Students must also complete:

- a Career Related Learning portfolio, which consists of an Education Plan & Profile and documentation of career-related learning experiences and extended application of skills
- a reading and writing proficiency test
- all credits earned in the program with a minimum of a 2.0 GPA

AHSD candidates must complete a minimum of two UCC high school credits or six UCC college credits (or an equivalent combination of the two) to be awarded a diploma from UCC.

There are several ways of earning credit towards the diploma:

**Through the day program at the Wooley Center**

The College & Career Preparation Program features small class sizes and outstanding instruction. Emphasis is placed on successfully transitioning into college or the workforce. Candidates must be at least 16 years of age and have a minimum of ninth grade reading level to be admitted to this program. Students 16 and 17 years of age must have a referral from their school district or release from compulsory attendance. For more information, please call 541-440-4603.

**By taking an online UCC high school diploma class**

Students who want more flexibility in their schedule to pursue advanced placement courses, jobs, sports or other activities, now have an option to meet their educational needs. UCC offers year-round online high school classes that can be accessed anytime, anywhere that has a computer and internet access. Students can work at home, from the library or at school whenever it fits into their schedule. And, it’s never too late to complete one’s education and boost one’s career potential. Anyone who has left high school can get back on track and earn credits toward a high school diploma. Credits may be applied to the UCC diploma or local high school diplomas. For more information, please call the Online High School Coordinator at 541-440-7805.

**Through an after school/evening outreach program**

UCC has offered courses in Drain, Canyonville, Roseburg, Glide, Tri-City, Riddle, and Glendale. For current locations and schedules, please call 541-440-4603.

**By enrolling in the dual credit AHSD program on campus**

Candidates in this program enroll in college classes, and earn high school diploma credit and college credit simultaneously. Students are expected to demonstrate the ability and maturity to succeed in college coursework as well as in the community college environment. Students must place into college level coursework on the Compass Placement Test. For more information, please call 541-440-7767.

**By applying for credit from life and work experience**

UCC may award high school diploma credit for life and/or work experience. Candidates submit a request to the Adult Basic Skills Advisory Board documenting military service, community involvement, etc. Assistance is provided for completing forms and assembling information. For more information, please call 541-440-4603.

**ENGLISH AS A SECOND LANGUAGE (ESL)**

Several levels of classes are offered for adults whose native language is not English. There are day and night classes available. Classes stress conversation and pronunciation, with particular emphasis on work and life skills. For more information, please call 541-440-4603.

**LEARNING SKILLS (DEVELOPMENTAL EDUCATION)**

What if I don't place into college level coursework? Don't be discouraged! Many new students need to upgrade their skills. The Learning Skills Department helps students achieve proficiency in the basic academic skills necessary to succeed in college. By taking reading, writing, math, and skill-building classes, students learn to apply strategies and access resources to advance in current and future coursework.

**Tutoring Center**

Free "drop in" peer tutoring is available for all UCC students in most college subjects, including mathematics, science, world languages, accounting, computers, and writing. Tutoring Services are located in the Educational Skills Building (ESB 15). For more information, please call 541-440-7733.

**Learning Skills Mini Courses**

The Department offers a number of courses designed to help students improve their learning skills. Many of these are one credit mini classes that meet for two or three weeks during the term.

**BRIDGE TO SUCCESS PROGRAM**

This program builds strong reading and writing skills by featuring learning communities. The Program gives students the literacy skills they need to function as workers, family members and community members while also providing them with the skills necessary for transition into college level courses.

The Bridge Program includes the following elements: a cohort atmosphere, a support/study group, college success courses, block scheduling, mini courses in learning skills, and basic skills development including reading, writing, and basic computer literacy. Students are recommended to the program based on their placement test scores.

The Bridge Program offers the following learning levels:

- **GATEWAY TO SUCCESS**
  - Writing Skills (WR 090)
  - Basic Reading (RD 080)
  - College Success (HD 100)
  - Computer Skills class
- **PRACTICING SUCCESS**
  - College Writing Fundamentals (WR 095)
  - College Text Reading (RD 090)
  - Strategies for Success (HD 136)
  - Computer Skills class
  - Study Skills class
policies (see disclaimers on page 1)

ENROLLMENT LIMITATIONS

UCC may restrict enrollment in a class or program because we have limited staff, space or equipment. Enrollment is also limited for some programs because of special admission requirements.

We encourage you to apply early to the nursing program which has special admission requirements.

CANCELLATION OF CLASSES

The college reserves the right to cancel any class due to extenuating circumstances, such as low enrollment.

CLOSURE DUE TO WEATHER OR EMERGENCY

School closure shall be determined by the Vice President for Instructional Services, in consultation with the college President. When the college is closed, it is totally closed and no one is required to report for classes or work, excepting security personnel and others specifically requested or approved by the Vice President for Instructional Services. All closures will be publicized as soon as possible through all news media. Closures due to adverse weather conditions will be announced by 6:30 a.m. the day of the closure, or by 7 p.m. the preceding evening, if possible.

AFFIRMATIVE ACTION

It is the policy of Umpqua Community College to provide equal educational and employment opportunities and to provide service benefits to all students and employees without regard to sex, race, color, religion, national or ethnic origin, age, sexual orientation, marital status, disability or any other status or characteristic protected by applicable state or federal law. This policy is in accordance with the laws enforced by the Department of Education and Department of Labor, including Presidential Executive Order 11246, as amended by the Civil Rights Act of 1991, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Acts of 1974-75, the Americans with Disabilities Act of 1990 and Oregon Revised Statute 659.030.

Inquiries regarding application of these and other regulations should be directed to the College’s Human Resources Office 541-440-7690, the Office of the Vice President for Student Development 541-440-4677; the Office of Civil Rights, Department of Education Office, Seattle, Washington; or the Office of Federal Contract Compliance Programs, Department of Labor, San Francisco, California. (revised 05/06)

For grievances specifically related to disability services, students will contact the Disability Services Coordinator, unless the grievance/complaint is against the coordinator, in which case the coordinator’s immediate supervisor, the Director of Counseling, should be contacted. Students are encouraged to resolve grievances internally, but he/she may contact the Office of Civil Rights at any time.

Contact information: www.ed.gov/ocr. The statute of limitations for filing a complaint is 180 days from the occurrence of the incident. Forms are available from either the Disability Services Coordinator, or the Vice President of Student Development.

STATEMENT OF NONDISCRIMINATION

It is the policy of Umpqua Community College and their Board that there will be no discrimination or harassment on the grounds of sex, race, color, marital status, sexual orientation, religion, national original, age or disability in any educational programs, activities or employment. Persons having questions about equal opportunity and non discrimination should contact the Vice President for Student Development.

Section 504/Title II and Title IX Coordinator
Vice President for Student Development
Campus Center Building
P O Box 967
Roseburg, OR 97470
541-440-4677 or TDD 541-440-4626

NON-DISCRIMINATION STATEMENT ON THE BASIS OF SEX

Umpqua Community College complies with all applicable federal and state regulations that prohibit discrimination on the basis of sex. No student at UCC shall, on the basis of sex, be excluded from participation in, be denied the benefits of or be subjected to discrimination in any education, program, service or activity.

Any student who believes he or she has been denied any service or benefit because of sex discrimination may follow the steps outlined in the Sex Discrimination Grievance Procedure. In addition to utilizing the College’s Grievance Procedure, a student may contact the Office of Civil Rights or the Equal Employment Opportunity Commission at the following address:

Seattle Office, Office of Civil Rights,
United States Department of Education
915 Second Avenue Room 3310, Seattle, WA 98174-1099
Telephone: 206-220-7900, FAX: 206-220-7887,
TDD: 206-521-2172

Email: OCR.Seattle@ed.gov

Seattle Field Office,
United States Equal Employment Opportunity Commission
Federal Office Building,
909 First Avenue, Suite 400, Seattle, WA 98104-1061
Telephone: 800-669-4000, Fax: 206-220-6911,
TTY: 800-669-6820

Sex Discrimination Grievance Procedure

In the event that any student enrolled at UCC believes that he or she has been denied any service or benefit because of sex may attempt to resolve the matter informally or immediately file a formal grievance, at the option of the student.

The informal procedure attempts to resolve the grievance through cooperative meetings with the parties involved. The formal procedure resolves issues through written grievances, investigation and hearings. Students are strongly encouraged to resolve any concern informally. It is not necessary to follow the informal procedure prior to filing a formal grievance. The student may initiate the formal grievance procedure at any time.

Any timeline set forth in the procedures may be extended by the Vice President for Student Development upon written application to do so.

No student shall be expelled, suspended, disciplined or in any other way retaliated against for having pursued a grievance in good faith whether or not the charges were substantiated. However, anyone willfully filing a false grievance is subject to discipline.
Informal Grievance Procedure

Any student who feels he or she has been denied any educational service or benefit at Umpqua Community College because of sex discrimination may attempt to resolve the issue through the informal grievance process. The steps to follow in the informal procedure are as follows:

The student should meet with the Director of Advising and Counseling to discuss the issue. If the grievance is against this individual, the student should meet with the Vice President of Student Development. The meeting will be documented.

The Director of Advising and Counseling will meet with the Vice President of Student Development to review the student’s complaint.

The student may meet with the individual believed to be responsible for the discrimination. If this cannot occur, the Vice President of Student Development will meet with the individual believed to be responsible for the discrimination and attempt to find a resolution to the grievance.

The Vice President of Student Development will meet with the supervisor of the individual believed to be responsible for the discrimination to review the student’s complaint and the response from the individual.

The results of the Vice President of Student Development attempt to resolve the issue will be documented in writing and a copy provided to all persons involved in the grievance.

The Vice President of Student Development will monitor the situation to ensure that the terms of the resolution are followed or completed by all persons involved in the grievance.

 Formal Grievance Procedure

If the student is not satisfied with the informal discussion and any suggested resolution, the student may initiate the formal grievance procedure. The steps in the formal grievance procedure are as follows:

The student shall schedule a conference with the Vice President of Student Development within 180 calendar days of the incident. The Vice President will advise the student of his/her options and direct the student accordingly. The Vice President may endeavor to determine if the charges can be disposed of by mutual consent of the parties involved on a basis acceptable to the student.

The student shall file a written grievance with the Vice President of Student Development within five (5) college business days of the conference with the Vice President. A formal grievance form will be provided by the Vice President.

Within ten (10) college business days of receipt of the grievance, the Vice President of Student Development will convene an Administrative Hearing Board. The hearings board will consist of the Vice President for Student Development, a college employee appointed by the Vice President, a member of the Associated Students of UCC (ASUCC) Executive Council and one of the following:

• the Human Resources Director, for employment issues; or
• the Vice President of Administrative Services, for facilities issues; or
• the Vice President of Instruction, for instructional and all other issues

It shall be at the discretion of the hearings board to determine whether to meet with the involved parties separately or in a single meeting. Throughout the hearing process, the board may call witnesses, including those persons identified by the parties, as well as any other persons who may have relevant information.

The student complainant and the accused shall be notified in writing of the time and place for the hearing with sufficient time to prepare any presentation they may wish to make. All parties may be represented at the hearing and shall have the opportunity to examine all witnesses.

Following the hearing and within 30 college business days of receiving the formal grievance, the Vice President of Student Development will report, in writing to the involved parties, his/her findings, conclusions and any actions taken by the hearing board to resolve the grievance.

Appeals

The student may appeal the decision of the Administrative Hearing Board to the college President or designee. The steps in the appeal process are as follows:

An appeal must be filed within three (3) college business days of receipt of notice of the decision from the hearing board. If the request is not filed within the prescribed time, it shall be deemed that the student accepts the findings of the hearing board. The written appeal will include a written response to the findings and conclusions of the hearing board and will address the grounds for the appeal. The following are the only grounds for appeal:

A procedural error or irregularity, which materially affected the decision.

New evidence of substantive nature not previously available at the time of the hearing that would have materially affected the decision.

Bias on the part of a member of the hearing board, which materially affected the decision.

Appeals shall be limited to review of the record of the hearing and supporting documents, except as required to explain new evidence that should be considered.

The President or designee will render a decision and submit a written report of findings to the hearing board and will notify the student in writing within 10 college business days of receipt of the appeal. The President or designee may decide:

• To uphold the original decision.
• To remand the case to the Administrative Hearing Board for rehearing and decision. The rehearing shall be conducted within ten (10) college business days of receipt of the decision from the President or designee. The board shall notify the student within three (3) college business days of closing the hearing.
• To remand the case to an ad hoc hearing board for decision. In the case where an ad hoc hearing board must be convened, the board shall be comprised of two (2) students, one (1) faculty, one (1) classified staff, one (1) administrator selected by the related representative bodies. The ad hoc hearing board shall be conducted within ten (10) college business days of receipt of the decision from the President or designee. The board shall notify the student within three (3) college business days of closing the hearing.
If the student is dissatisfied with the President’s or designee’s response to his/her appeal, the student may pursue other legal remedies. Inquiries and appeals beyond the college level may be directed to:

Seattle Office, Office of Civil Rights,
United States Department of Education
915 Second Avenue Room 3310, Seattle, WA 98174-1099
Telephone: 206-220-7900, FAX: 206-220-7887,
TDD: 206-521-2172
Email: OCR.Seattle@ed.gov
Seattle Field Office,
United States Equal Employment Opportunity Commission
Federal Office Building,
909 First Avenue, Suite 400, Seattle, WA 98104-1061
Telephone: 800-669-4000, Fax: 206-220-6911,
TTY: 800-669-6820

NON-DISCRIMINATION STATEMENT
ON THE BASIS OF DISABILITY

Umpqua Community College complies with all applicable federal and state regulations that prohibit discrimination on the basis of disability. These regulations require that any qualified person receive reasonable accommodation to ensure equal access to educational opportunities, services, programs and activities at the College.

Any student who believes he or she has been denied any service or benefit or otherwise discriminated against due to a disability may follow the steps outlined in the Disability Grievance. In addition to utilizing the College’s Grievance Procedure, a student may contact the Office of Civil Rights or the Equal Employment Opportunity Commission at the following address:

Seattle Office, Office of Civil Rights,
United States Department of Education
915 Second Avenue Room 3310, Seattle, WA 98174-1099
Telephone: 206-220-7900, FAX: 206-220-7887,
TDD: 877-521-2172
Email: OCR.Seattle@ed.gov
Seattle Field Office,
United States Equal Employment Opportunity Commission
Federal Office Building,
909 First Avenue, Suite 400, Seattle, WA 98104-1061
Telephone: 800-669-4000, Fax: 206-220-6911,
TTY: 800-669-6820

Special Needs Contact Statement

Persons having questions about or requests for special needs and accommodation should contact the Disabilities Services Coordinator at Umpqua Community College Counseling Office, 1140 Umpqua College Road, Roseburg, Oregon 97470. Contact should be made 48-72 hours in advance of the event.

Disabilities Services/ADA Coordinator:
Phone 541-440-7655 or TDD 541-440-4612

ALCOHOL / DRUG FREE ENVIRONMENT

UCC is committed to maintaining an effective learning environment free from the devitalizing influences of alcohol and drug abuse. The unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees on college property or as a part of any of its activities is strictly prohibited. UCC will impose disciplinary sanctions on students and employees (consistent with local, State and Federal law), up to and including expulsion or termination of employment and referral for prosecution for violations of college policies. Information about applicable legal sanctions, description of health risks, and resources for treatment is made available for all employees through the Human Resources department 541-440-4626 and for all students through the Advising and Career Service Center 541-440-4610, or the UCC website under Student Code of Conduct.

DRUG & ALCOHOL POLICY

Umpqua Community College is dedicated to providing a learning environment for students that is safe and free of the detrimental influences of drug and alcohol abuse.

The abuse of drugs and alcohol by individuals constitutes a serious threat to their physical and mental well-being and may significantly impair performance. Although the college recognizes drug and alcohol dependencies as illnesses and major health problems, drug and/or alcohol abuse at UCC is considered unacceptable behavior because it negatively affects the productivity, safety and security of the college.

Therefore, in order to foster a safe, healthful, and secure campus environment, it is UCC’s intent and obligation to provide appropriate drug and alcohol related procedures, educational resources, prevention-focused activities and referral services. In addition, when necessary, the college will impose sanctions.

Actions taken with respect to students shall be consistent with rights afforded individuals under college policy, state and federal statutory, regulatory and constitutional provisions.

The college’s premises are defined as any building, room, outdoor space, or vehicle that is owned, rented, leased or used by the college.

In keeping with this commitment, students are expected to comply with the following procedures:

A. Students are expected to report to class in a condition that is conducive to learning. Any student under the influence of alcohol or controlled substance (as defined by federal and state statutes) while on the college’s premises or on college-sponsored activities will be subject to sanctions which may include suspension or expulsion from the college.

B. The unlawful manufacture, distribution, or possession of a controlled substance (other than a drug prescribed by a physician) by any student while on college business or while on the college’s premises is prohibited and may constitute grounds for suspension, expulsion from the college and referral to appropriate law enforcement agencies for prosecution.

C. Students experiencing problems resulting from drug, narcotic, alcohol abuse or dependency should make use of appropriate community resources for dealing with their specific situation.

Although the college recognizes that alcohol and drug abuse can be treated and is willing to work with students who may suffer from such problems, it is the student’s responsibility to seek assistance before drug or alcohol problems lead to academic problems.
TOBACCO FREE CAMPUS POLICY

Umpqua Community College acknowledges and supports the findings of the Surgeon General that tobacco use in any form, active and passive, is a significant health hazard. The College further recognizes that environmental tobacco smoke has been classified as a Class-A carcinogen. In light of these health risks, and in support of a safe and healthy learning/working environment, the following restrictions shall be placed:

1. Smoking or other tobacco usage is not permitted inside the perimeter of any Umpqua Community College (UCC) property. This includes all College sidewalks, landscaped areas, recreational areas, buildings on UCC property, and any leased or rented facilities. Designated smoking areas will be provided near parking lots on the outside perimeter of campus.

2. Improper disposal is prohibited and includes but is not limited to:
   - Spitting smokeless tobacco product
   - Littering (i.e. discarded cigarette butts, throwing cigarette butts out of windows, leaving spit container)
   - Anything that creates fire hazards

3. The inhaling, exhaling, burning, or carrying of any lighted smoking material, including cigarettes, cigars, or pipes, is prohibited in all areas not designated for smoking, and in vehicles owned or operated by UCC. The use of other tobacco products, such as smokeless or chewing tobacco, is also prohibited.

4. The sale of tobacco products or tobacco-related merchandise is prohibited on College property.

5. The free distribution (sampling) of tobacco products and associated products is prohibited at College facilities or events.

6. Sponsorship of campus events by organizations that promote tobacco use is prohibited.

7. Advertisement of tobacco products and printed materials on campus is prohibited regardless of sponsorship.

8. Tobacco use on college property or improper disposal of smoking materials may result in disciplinary action or a $25 fine.

Authority

The Board is granted authority to establish policies and procedures for tobacco use on property owned, operated, and/or college premises maintained by the College. The enforcement of these policies and procedures is the responsibility of Security/Safety personnel with the assistance of all members of the Umpqua Community College (UCC) community. Assistive acts include providing informational materials on smoking policies and verbal warnings. Members of the UCC community will notify Security/Safety of repeat offenders and/or of disruptive behavior. Security officers are authorized to issue citations, control, and regulate facilities use as prescribed in these rules and regulations.

First time violators may be issued a warning citation by Security/Safety personnel. Unpaid citations may result in the violator’s transcripts being held until all unpaid citations have been paid. Continued failure by students to abide by these rules and regulations may be considered to be a violation of the Code of Student Conduct, 721.3 #17, and/or other applicable code violations and may be forwarded to the Vice-President of Student Development for disciplinary action. Failure by faculty or staff of the College to abide by these rules and regulations may result in corrective/disciplinary action in accordance with the applicable bargaining agreement. Security/Safety will provide official standardized tobacco use policy materials to members of UCC community for distribution.

Payment of Fines

Persons cited for violations of these rules and regulations may respond either by filing a written appeal with the Director of Security/Safety or by paying a fine within fifteen (15) days of receipt of the citation. All fines are payable to Umpqua Community College. Fines can be paid by mail or in person at the Cashier’s Office located in the Administration Building. Fines that are mailed must be received within fifteen days of receipt of the citation.

Reduction in Fines

Fines for smoking offenses will be reduced by five dollars if paid in person within forty-eight hours, excluding weekends and holidays. No reduction will be made on mail-in payments.

Appeals

Alleged violators may appeal to the Director of Security/Safety for a adjudicative procedure within twenty (20) days of the date of the citation. The director of Security/Safety may dismiss, suspend, impose any lesser fine, and/or grant an extension of time within which to pay the fine. Appeals of the decision of the Director of Security/Safety are to be submitted to the Vice President of Administrative Services without posting of fine within twenty-one (21) days. Written notification of the Vice President’s decision shall be made within twenty (20) days of the appeal and shall be final.

Safety Committee

The Umpqua Community College Safety Committee is responsible for advising Security/Safety on smoking policy. Committee functions include, but are not limited to, the following: (1) Reviewing smoking regulations and fees and recommending their adoption. (2) Reviewing provisions for security on campus and recommending practices and procedures for the enhancement of security.

Unpaid Fines

If any fine remains unpaid, any or all of the following actions may be taken by Security/Safety: (1) A hold may be placed on student transcripts. (2) Registration for the following term may be delayed. (3) The amount due as a result of fines due and payable may be deducted from paychecks of College employees. (4) Outstanding fines may be referred to a collection agency. These procedures will be applicable to all students, faculty, and staff, or other persons utilizing College facilities who receive fines for violations of these rules and regulations.

SEXUAL HARASSMENT POLICY

Umpqua Community College is committed to providing all employees and students with the opportunity to work and learn in an environment free from discrimination, including harassment. It is a violation of college policy for any employee or student to engage in harassment of any other college employee or student.

Sexual harassment includes any sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when, either explicitly or implicitly:

A. It is made a condition of employment or a basis for employment decisions regarding students or staff or

B. It is made a condition for a student’s enrollment, evaluation, or satisfactory progress in a class or program; or

C. Such behavior unreasonably interferes with a student or staff member’s academic or work performance by creating an intimidating, hostile, or offensive learning or work environment.
UCC employees and students who feel they have been subjected to sexual harassment are encouraged to first pursue an informal resolution to their complaint. Employees should bring their concerns to the attention of their supervisors, the appropriate Vice President, or the college Affirmative Action Officer.

Students are encouraged to discuss their concerns with a college counselor or the Vice President of Student Development. Every effort will be made to maintain confidentiality for both the complainant and the accused at the informal level.

If the situation is unresolved by informal means, employees and students should promptly seek assistance from the college Affirmative Action Officer and follow the formal discrimination grievance procedures. Impartial replacements will be selected by the President in the event that a member of the Personnel/Affirmative Action Committee is the alleged harasser.

UCC supervisors are responsible for promoting an environment that is free from sexual harassment. UCC will thoroughly investigate all reported incidents of sexual harassment. Employees or students found to be in violation of this policy will be subject to immediate discipline, including possible termination or suspension from the college.

UCC will not tolerate retaliation of any kind against employees or students based upon their allegations regarding sexual harassment. Retaliatory behavior will be considered a breach of this policy and will be dealt with accordingly.

Employees and students should be aware that formal allegations of sexual harassment carry potentially serious consequences to the person charged. Such allegations should be made if warranted, but should be made with accuracy and truthfulness.

STUDENT RIGHT TO KNOW ACT
STATEMENT & STATISTICS

The reporting of graduation and transfer rates annually is mandated by Federal legislation (PL 101-542). Rates are calculated as of Spring 2008. Transfer rates are calculated based on known transfers. Transfer to private Oregon colleges and out-of-state colleges are excluded.

For more information about the UCC student population contact the Institutional Researcher at 541-440-4625. For more information about the athletic programs and athletic participation contact the Athletic Department at 541-440-4686.

Graduation/Transfer Rate 2008 Cohort

<table>
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<tr>
<th>IPEDS Cohort</th>
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<th>Fall 2006</th>
<th>Fall 2007</th>
<th>Fall 2008</th>
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<td>Total Cohort</td>
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<td>279</td>
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<td>27</td>
<td>25</td>
<td>43</td>
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<td></td>
<td>11%</td>
<td>13%</td>
<td>18%</td>
<td>15%</td>
</tr>
</tbody>
</table>

721.0 STUDENT CODE OF CONDUCT

Students at Umpqua Community College are expected to conduct themselves in a manner compatible with an educational environment and in accordance with standards of the college that are designed to perpetuate its educational purposes.

The college, because of its responsibility to provide a safe and supportive learning environment, has certain obligations that need to be reflected as rules in the governance of student conduct and discipline.

Through this Student Code, Umpqua Community College describes
1) the responsibilities, rights and freedoms afforded to students and
2) conduct that would interfere with the educational mission of the institution.

The provisions of the Student Code of Conduct are not to be regarded as a contract between the students and the College. The College reserves the right to amend any provision herein at any time in accordance with established College policies. Communication of any changes will be made to the College community in an appropriate and timely fashion.

This Student Code of Conduct will apply to conduct which occurs on College premises and to conduct which occurs elsewhere during the course of a College-sponsored activity. Off-campus behavior that adversely affects the College and/or the pursuit of its objectives may also be subject to the Umpqua Community College Student Code of Conduct.

The Vice President for Student Development (VPSD) is responsible for the administration of the Student Code of Conduct. In the absence of the VPSD, the President may appoint a designee to administer the Student Code of Conduct.

721.1 Definitions

1. The term “ORS” means Oregon Revised Statutes, which are the codified laws of the State or Oregon.
2. The term “college” or “College” means Umpqua Community College.
3. The phrase “Board of Directors” means Umpqua Community College’s Board of Directors, which is the policy manager of the College. Board members are elected by the local community.
4. The term “student” includes all persons taking courses at the college, both full-time and part-time, pursuing credit or non-credit classes or enrolled in any special program approved by the college.
5. The term “faculty member” means any person hired by the college to conduct classroom activities.
6. The term “college official” includes any person employed by the college performing administrative responsibilities.
7. The term “college personnel” includes any person employed by the college.
8. The phrase “member of the college community” includes any person who is a student, faculty member, college official, college personnel, or any other person employed by the college.
9. The term “college premises” includes all land, buildings, facilities, and other property in the possession of, or owned, rented, leased, used or controlled by the college (including streets and sidewalks).
10. The term “college-recognized student organization” means any student club or organization who has complied with the formal requirements for recognition by the Associated Students of Umpqua Community College (ASUCC), the college’s Student Government.
11. The title “Vice President for Student Development” or “VPSD” means the college official authorized by the President to administer the Student Code of Conduct. In the absence of the VPSD, the President may appoint a designee.
12. The phrase “college business day” means the days of the week when campus offices are open and available to the public for business.
13. The term “hearings panel” means the group of persons authorized by the VPSD to determine:
   1) whether a student has violated the Student Code of Conduct and to recommend imposition of sanctions or
   2) the merit of a student grievance and recommend remedies.
14. The term “appellate proceeding” means the process by which an appeal may be heard.
15. The term “shall” is used in the imperative sense.
16. The term “may” is used in the permissive sense.

721.2 Student Responsibilities, Rights & Freedoms

A. Student Responsibilities

Students shall be responsible for:

1. Learning the substance of any course of study for which they are enrolled, participating in class activities and knowing the following rules and regulations governing the educational community.
2. Following the lawful direction of college personnel including providing information and personal identification when requested.
3. Respecting the teaching/learning environment by interacting with civility within the classroom and following safety guidelines.
4. Respecting the rights of others and cooperating to ensure that such rights are protected.
5. Exercising dissent in a responsible manner and within a framework compatible with the orderly resolution of differences.
6. Maintaining honesty and integrity in all work (as outlined in the Academic Integrity policy), communication and interactions.
7. Properly using college equipment, computers and facilities including timely return of loaned equipment/materials.
8. Complying with all college policies and regulations, including those posted in special labs and classrooms.
9. Complying with local, state and federal laws.
10. Utilizing established procedures to influence change or challenge UCC policies and regulations.

B. Student Rights

Students shall have the right to:

1. Be protected against improper academic evaluation. Students have protection through orderly procedures against unfair academic evaluation. Students’ grades will be based solely on academic achievement, unless otherwise specified by the instructor in writing at the first class meeting.
2. Confidentiality of student records. Umpqua Community College will abide by federal and state regulations regarding the privacy of student records and comply with the law regarding access procedures.
3. Due process in disciplinary proceedings. Students shall have the right to be notified of the charges, shall be afforded the opportunity to be heard and shall have the right to be assisted without prejudice by an adviser who may be an attorney.
4. Reasonable accommodation. UCC is committed to providing opportunities to students with disabilities in order for them to have meaningful access to college programs and services.

C. Student Freedoms

Students shall be free to:

1. Organize and join associations to promote their common interests subject to the formal requirements for recognition by the Associated Students of Umpqua Community College (ASUCC), the college’s Student Government, as a condition of institutional recognition.
2. State any reasoned exception to information or views offered in any course of study and to reserve judgment about matters of opinion without it affecting their grade as long as the disagreement is not disruptive to the instructional process.
3. Examine and discuss all questions of interest to them, and to express opinions publicly and privately. In accordance with the campus free speech policy, students shall be free to support causes by orderly means, in ways that do not disrupt the regular and essential operation of the institution or violate college policies or procedures.
4. Participate in institutional governance. The Associated Students of Umpqua Community College (ASUCC) Student Council serves as the student government body and through this body, students are afforded the right to have student representation on selected UCC councils and committees.
5. Engage in free and responsible discussion through student publications and student press, in conformance with local, state and federal laws and professional codes.

Students shall be free from:

1. Unlawful discrimination. In order for Umpqua Community College to maintain a place of learning and work that is free of unlawful discrimination, it is the policy of Umpqua Community College and its Board, to provide equal educational and employment opportunities and to provide service benefits to all individuals without regard to sex, race, color, religion, national or ethnic origin, age, sexual orientation, marital status, disability or/and other status or characteristic protected by applicable state or federal law.
2. Unlawful harassment. Umpqua Community College is committed to providing a learning and working environment free of harassment.
3. Sexual harassment/sexual assault. Umpqua Community College is committed to providing all individuals with the opportunity to work and learn in an environment free from sexual harassment/sexual assault.

721.3 Student Misconduct

The following actions and/or behaviors are the types of misconduct for which students may be subject to disciplinary action. These prohibitions are not designed to define misconduct in all-inclusive terms and in no way should this be considered an exhaustive list:

1. Committing acts of dishonesty including but not limited to:
   • Engaging or participating in forms of academic dishonesty including cheating and plagiarism. Academic integrity is covered in more detail in UCC policy 721.4.
   • Furnishing false information to any member of the college community or College office with the intent to deceive.
   • Forging, altering, or misusing a College document, record, or instrument of identification.
   • Forging, altering, or misusing a document, record or instrument of identification related to a cooperative work experience placement, or clinical placement.
2. Committing acts of physical abuse, verbal abuse, and/or engaging in conduct which intimidates, harasses, threatens, coerces or otherwise endangers the mental or physical health or safety of any member of the college community on College premises, at College-sponsored or supervised functions, or at functions sponsored or participated in by the College.

3. Unwanted contact or communication of any nature with another student or other member of the college community after being instructed by a college official that such contact or communication is unwelcome and disruptive to the educational process of UCC, as determined by a College official.

4. Disorderly, offensive, lewd, salacious, lascivious, indecent, or obscene conduct which may violate the rights of another member of the College community.

5. Unlawful sexual harassment, sexual assault and/or unlawful harassment.

6. Discrimination on the grounds of sex, race, color, marital status, sexual orientation, religion, national origin, age or disability on College premises, at College-sponsored or supervised functions, or at functions sponsored or participated in by the College.

7. Planning, directing or committing acts of hazing, as defined by ORS 163.197.

8. Interference by force or by violence (or by threat of force or violence) with any member of the college community who is in lawful discharge or conduct of his/her duties or studies.

9. Failure to identify oneself to college personnel when requested to do so.

10. Failure to leave a building or specified work area when directed to do so by college personnel.

11. Disobedience of the notice against trespass on College premises.

12. Engaging or participating in acts of unauthorized possession, removal or conversion, or intentional defacing, tampering, damage, or destruction of College-owned, leased or rented property, equipment, programs or materials, or of property, equipment, programs, or materials belonging to another member of the college community, guest, visitor, vendor or contractor.

13. Unauthorized possession, sharing, duplication or use of keys or entry codes to any College building, facility or equipment.

14. Committing an act of unauthorized entry in to or use of a College building or facility and/or committing an act of unauthorized use of equipment.

15. Manufacture, distribution, dispensing, possession, or use of alcoholic beverages, or use of drugs or controlled substances (other than a drug lawfully prescribed by an authorized medical professional and used in accordance with the prescription) on College premises, at College-sponsored or supervised functions or at functions sponsored or participated in by the College except where expressly permitted by law, College regulations and/or UCC Board approval.

16. Appearing visibly under the influence of alcohol or controlled substances on College premises, at College-sponsored or supervised functions or at functions sponsored or participated in by the College.

17. Smoking on College premises, except in designated areas outdoors.

18. Engaging in gambling activities on College premises, at College sponsored or supervised functions or at functions sponsored or participated in by the College, except as expressly permitted by law and with approval from the President or President’s designee.

19. Possession or use, without written authorization, of firearms, explosives, dangerous chemicals, substances, or any other weapons or destructive devices that are designed to or readily capable of causing physical injury, on College premises, at College-sponsored or supervised functions or at functions sponsored or participated in by the College.

20. Committing acts of arson, creating a fire hazard, or possessing or using without proper authorization, flammable materials or hazardous substances on College premises, at College-sponsored or supervised functions or at functions sponsored or participated in by the College.

21. Making false reports of fire, bomb threat, or other dangerous conditions; failing to report a fire or other dangerous condition; or interfering with the response of the College or emergency response teams to emergency calls.

22. Libel or slander of another member of the college community.

23. Invasion of another person’s reasonable right to privacy by any means, including the unauthorized use of snooping or recording devices on College premises, at College-sponsored or supervised functions or at functions sponsored or participated in by the College.

24. Bringing animals into classrooms and college buildings except for “assist” animals, “assist” animals in training or other animals defined in ORS 346.680, or animals used for instructional purpose.

25. Engaging in acts of theft, abuse or unauthorized use of College computer time, including but not limited to:
   • Unauthorized entry into a file, to use, read, or change its contents.
   • Unauthorized transfer or copying of a file or files or software.
   • Unauthorized use of another person’s identification and password.
   • Use of computing facilities to interfere with the work of another member of the College community.
   • Use of computing facilities to send obscene, defamatory or harassing messages or use of College computing facilities for activities not within the scope of the College’s instructional objectives.
   • Use of computing facilities to interfere with the normal operation of the college computing system.
   • Unauthorized installation of software on College equipment.
   • Tampering with College computer hardware.
   • Any attempt to gain access to college computers or network, on campus or off campus, without authorization (i.e., hacking).
   • Use of computing facilities to conduct personal business activities or illegal activities.
   • Noncompliance with any of the provisions of the Information Technology Acceptable Use Policy.


27. Posting, affixing, or otherwise attaching, written or printed messages or materials, without proper approval and/or on or in unauthorized places. Removing written or printed messages or materials approved by the college for posting without specific authorization to do so.
28. Engaging in unauthorized canvassing, sales or solicitation on College premises, at College-sponsored or supervised functions or at functions sponsored or participated in by the College.

29. Material and/or substantial disruption of the regular and essential operation and educational process of the College.

30. Participating in a demonstration or gathering which disrupts the normal operation of the College and infringes on the rights of other members of the College community; leading or inciting others to disrupt scheduled and/or normal activities within any campus building or area, intentional obstruction which unreasonably interferes with freedom of movement, either pedestrian or vehicular, on campus.

31. Disrupting or obstructing teaching, research, administration, disciplinary proceedings, other College activities, including its public service function on or off campus, or other authorized non-College activities, when the act occurs on College premises.

32. Failure to disperse when an unauthorized assembly (as defined by the campus free speech policy) is ordered to disperse by College officials on college-owned or controlled property or during any College-sponsored program or activity.

33. Unauthorized obstruction of the free flow of pedestrian or vehicular traffic on College premises or at College-sponsored or supervised functions.

34. Aiding, abetting or procuring another person to breach the peace on college premises, at a college sponsored or supervised activity; or at functions sponsored or participated in by the college.

35. Engaging or participating in abuse of the Student Code of Conduct, including but not limited to:
   • Falsifying or misrepresenting information before the VPSD, hearings panel or during an appellate proceeding.
   • Disrupting or interfering with the orderly conduct of the hearings panel or appellate proceedings.
   • Instituting a College judicial complaint or grievance knowingly without cause.
   • Attempting to discourage an individual’s proper participation, or use of, the College hearings or appellate systems.
   • Attempting to influence the impartiality of the VPSD, members of a hearings panel, or a member of an appellate proceeding prior to, during, and/or after a hearings panel or appellate proceeding.
   • Harassing (verbal or physical) and/or intimidating the VPSD, member of a hearings panel, or a member of an appellate proceeding prior to, during, and/or after a hearings panel or appellate proceeding.
   • Failing to comply with the sanction(s) imposed under the Student Code of Conduct.
   • Influencing or attempting to influence another person to commit an abuse of the College hearings or appellate systems.

36. Violating published Board of Directors or College policies, regulations, and/or procedures including, but not limited to, the policies on discrimination, harassment, campus disruption, and drug and alcohol abuse.

37. Violating federal, state or local laws on College premises or while in attendance at College-sponsored or supervised events or committing off-campus violations of federal, state or local law that adversely affect the College and/or the pursuit of its objectives.

38. Aiding and abetting another person in committing an act that violates the Student Code of Conduct.

39. Violations of the rules in this section and any other college regulations that may be enacted.

40. Engaging or participating in any act against the best interests of the College community.

721.4 Academic Integrity

Umpqua Community College is committed to providing students with a quality education that upholds high academic standards; the academic integrity of each student is valued. Academic integrity means academic honesty or the ethical adherence to guidelines set by individual faculty members and UCC. The academic integrity of each student is crucial not only to that individual student’s quality of education but to the academic reputation of UCC as a whole. Academic dishonesty jeopardizes individual students and the educational mission of UCC. Therefore, UCC has a zero tolerance policy regarding all forms of academic dishonesty.

A. Academic Dishonesty

The following actions and/or behaviors are types of academic dishonesty for which students will be subject to sanction. These actions/behaviors are not designed to define academic dishonesty in all-inclusive terms and in no way should this be considered an exhaustive list:

1. Deliberate cheating on any graded assignment; cheating is defined as any of the following:
   a. use of any unauthorized assistance in taking quizzes, tests or exams;
   b. dependence upon the aid of services beyond those authorized by the faculty member in writing papers, preparing reports, solving problems or carrying out other assignments;
   c. the acquisition without permission of the faculty member, of a test or other academic material.

2. Consultation of any notes, crib sheets, or other materials in examinations where such consultation is prohibited.

3. Copying another student’s answers or strategies on a test, quiz, professional or practical assignment or allowing another to do so.

4. Obtaining a faculty member’s examination questions or answers without the faculty member’s permission.

5. Collaborating with others on assignments or assessments when expressly prohibited by the faculty member.

6. Submitting one’s own previously graded work as a new assignment without the faculty member’s permission.

7. Plagiarism or the presenting as one’s own work the work of another writer without acknowledgment of the source. Plagiarism includes failure to acknowledge the source of words, phrases, ideas, information, data, evidence, or organizing principals; failure to acknowledge the source of a quotation or paraphrase; submitting as one’s own work that which was borrowed, stolen, purchased, or otherwise obtained from someone else or the Internet.

8. Fabrication or falsification of any information, research, data, references or clinical records.

9. Assisting another student to engage in any form of academic dishonesty.

10. Tampering with evaluation devices or documents;
11. Impersonating another student during a quiz, test, cooperative work experience placement, or clinical placement or other student assessment/assignment or participating in being impersonated by another student;

12. Use of electronic devices including cell phones or other similar wireless devices to convey information relevant to the test, quiz or other student assessment, during any test, quiz, or other student assessment.

B. Sanctions for Academic Dishonesty

1. Zero or F grade for assignment. A faculty member may immediately issue a zero or F grade for a paper, assignment, quiz, or other student assessment as a sanction for academic dishonesty, with or without the possibility of makeup.

2. Zero or F grade in course. A faculty member has the right to immediately suspend a student from the course (with no possibility of refund) and issue a grade of F for a course if the faculty member has documented that the student has engaged in egregious acts of academic dishonesty.

3. Recommendation for administrative sanctions. In addition to the above sanctions, a faculty member or department chair may petition the Vice President for Student Development to apply administrative sanctions. Administrative sanctions include:
   • complete withdrawal from all courses (with no possibility of refund);
   • disciplinary suspension from the student’s academic program (if applicable); and/or
   • disciplinary suspension from the college.

C. Process

A student who violates the academic integrity policy will initially be dealt with by the faculty member in whose class the violation occurred.

Step One: Notice. The faculty member will inform the student of the misconduct and apply the appropriate immediate sanction.

Step Two: Filing of report. The faculty member will file a written report of the act of academic dishonesty with the Vice President for Student Development within five (5) college business days of when the faculty member discovered the act of dishonesty. A copy of the report will be provided to the Registrar.

Step Three: Filing of Student Code of Conduct violation. Pursuant to Policy 721.5, the faculty member or department chair may initiate disciplinary proceedings by filing a Student Code of Conduct violation with the Vice President for Student Development. Independent of the faculty member or department chair, the Vice President for Student Development may choose to initiate disciplinary proceedings based on the written report of the act submitted by the faculty member.

Step Four: Disciplinary Proceedings. Disciplinary proceedings for acts of academic dishonesty will be conducted in accordance with the Student Discipline procedure outlined in the Student Code of Conduct, policy 721.4.

Step Five: Grievance/Appeals. Pursuant to the Student Code of Conduct, policy 721.7 the student may grieve the faculty member’s decision and/or appeal any decision rendered through the Student Discipline process.

721.5 Student Discipline

A charge of misconduct may be made against a student for violating provisions of published college regulations, policies and procedures. Where a student is subject to a charge of misconduct, the student is entitled to due process and no disciplinary sanction will be imposed until the charge is processed in accordance with the procedures set forth in this section. It is the policy of Umpqua Community College that any time allegations of misconduct are brought against a student, the College will normally pursue to conclusion any necessary investigation and hearing process, notwithstanding the decision by the student to withdraw temporarily or permanently, from the College. Parties are strongly encouraged to resolve any concern informally and use the formal procedure only as a last resort. However, it is not necessary to follow the informal procedure prior to filing a formal charge of misconduct, and the formal written report may be submitted at any time after the informal process has begun.

A. Informal Process

The informal procedure attempts to resolve the matter through cooperative meetings with the parties involved short of a written charge of misconduct, investigation and disciplinary action. The Vice President for Student Development will work with the parties involved to facilitate meetings. If the parties are not satisfied with the informal discussion and any suggested resolution, a formal written charge of misconduct may be filed.

B. Formal Process

Step 1: Filing of Charges. Any member of the College community may file charges against any student for misconduct. Charges shall be prepared in writing and signed and shall contain the student’s name and contact information (if readily available) and a statement of concern with full and relevant detail and documentation. The written documentation shall be submitted to the Vice President for Student Development within 21 college business days after the event or behavior is discovered.

Step 2: Immediate Sanctions. If a faculty member, college official, or the Vice President for Student Development deems it necessary, immediate sanctions may be applied prior to any formal review of the charges. Immediate sanctions include: Disciplinary Admonition and Warning, Temporary Exclusion and Summary Exclusion. These sanctions are described in further detail in 721.6 under Immediate Sanctions.

Step 3: Notice. A student charged with a Student Code of Conduct violation shall be given notice in person or by regular US Mail return receipt requested by the Vice President for Student Development (VPSD) or designee. The notice shall be given or sent within three (3) college business days of receipt of the charge. The notice shall inform the student of the charge of misconduct and shall set a specific time, date and place for a conference with the VPSD. This conference will be part of the preliminary review process conducted by the VPSD.

Step 4: Conference. The Vice President for Student Development (VPSD) shall conduct a conference with the student within five (5) college business days of mailing of the notice, at which time the VPSD shall:

a) Review the charges with the student;

b) Review the possible disciplinary action that could be taken if the student is found in violation of the Student Code of Conduct;

c) Provide the student an opportunity to respond to the charges; and

d) Discuss the charges and the student’s response. The student shall be given an opportunity to take responsibility for the charges or state his/her innocence.

Step 5: Initial Findings. The Vice President for Student Development (VPSD) has the option to dismiss the charges as having no grounds for further review if the VPSD concludes that the charges are: untimely; being concurrently reviewed in another forum; previously decided pursuant to this review procedure; or frivolous or filed in bad faith. The VPSD may also endeavor to determine if the charges can be disposed of by mutual consent of the parties involved on a basis acceptable to the VPSD.
If the VPSD determines that the charges have merit and/or cannot be disposed of by mutual consent, formal disciplinary proceedings shall continue.

Step 6: Notice of Hearing. In the case that the Vice President for Student Development (VPSD) determines that disciplinary proceedings should be conducted, the student shall receive notice of a hearing in person or by regular US mail return receipt requested by the VPSD. Written notice will be provided within five (5) college business days after the conference and at least three (3) college business days prior to the scheduled hearing.

A student charged with a conduct violation may waive the right to the hearing provided the conditions described below are met:

1. The student accepts responsibility for the charge(s); and
2. The student is willing to accept the sanction as final and waives the right to appeal.

Step 7: Hearings Panel. A hearings panel shall be convened when deemed necessary per the disciplinary process. The hearings panel will determine whether or not the charges are valid and to determine sanctions if deemed appropriate. The hearings panel will consist of the Vice President for Student Development (VPSD), a college employee appointed by the VPSD, a member of the Associated Students of UCC (ASUCC) Executive Council and one of the following:

- the Human Resources Director;
- the Vice President for Administrative Services; or
- the Vice President for Instruction.

Step 8: Conduct of the Hearing. During the hearing, the Vice President for Student Development shall chair the process and summarize the findings of the preliminary review. The student shall have the opportunity to respond to the findings, examine witnesses and present witnesses or other evidence to rebut the initial charges or findings. At the conclusion of the hearing, the panel will meet in executive session to render its decision.

Step 9: Findings. The Vice President for Student Development shall inform the involved parties of the hearings panel findings and sanctions in writing within 48 hours of the hearing.

Step 10: Appeal. See section 721.7.

721.6 Student Disciplinary Sanctions

Umpqua Community College will discipline students in accordance with UCC policy, and state and federal law. Sanctions will be imposed as outlined below. In keeping with the educational purposes of the college, disciplinary actions other than those requiring expulsion are intended to be remedial rather than punitive. In recommending or determining a sanction for misconduct, all relevant factors will be considered, including the nature of the offense, the severity of any damage, injury or harm resulting from the offense, and the student’s past disciplinary record, if any.

1. Immediate Disciplinary Sanctions:

   The following are immediate disciplinary sanctions which may be applied prior to a formal review of the charges through a hearing.

   A. Disciplinary Admonition and Warning. Verbal notice by a faculty member or college official that a student’s conduct in a specific instance does not meet college standards and that continued misconduct may result in more serious disciplinary action by the Vice President for Student Development.

   B. Temporary Exclusion. A faculty member or college official may 1) exclude a student from up to two (2) class/lab meetings no matter the length or type of class/lab or 2) exclude a student from using specific campus services for up to two college business days when the student is disrupting the class sufficiently to hinder effective instruction or when a student’s behavior is disruptive to the educational environment, or when the health and safety of the instructor(s), student(s), or employee(s) appears to be in jeopardy. The faculty member or college official will meet with the student to inform the student of the cause for the exclusion and allow the student to present his or her side of the matter. The responsible faculty member or college official will write a report of the incident for the supervisor of the division or unit and the Vice President for Student Development within twelve (12) hours of the incident. During temporary class exclusion, the student will be provided a means of obtaining assignments, presenting assignments to the faculty member, completing projects and/or taking examinations without penalty. A temporary exclusion will become effective immediately upon verbal notice to the student.

   C. Summary Exclusion. In certain circumstances, the Vice President for Student Development (VPSD) may impose an exclusion sanction, whereby a student is excluded from classes or activities during the course of an academic term, for the remainder of the term pending a hearing before a hearings panel and imposition of formal sanctions. In such a case, a student’s health, behavior or other actions are so serious that the continued presence of the student in the college community represents a serious and immediate threat to the health, welfare and safety of the college community and to the ongoing educational activities of the college. The student is subject to exclusion to ensure the student’s own physical and emotional safety and wellbeing; safety and well-being of member of the college community; preservation of college property and; stability and continuance of normal College operations and functions. The determination of the seriousness of the act(s) shall be the sole discretion of the VPSD.

   Prior to imposing a summary exclusion, the VPSD will meet with the student, unless it can be shown that such a meeting is impossible or unreasonably difficult to afford. During the meeting, the VPSD will confer with the student and provide the student with an opportunity to explain his or her behavior. If, after hearing the student’s statement or following a determination that a meeting with the student is impossible or unreasonably difficult to afford, the VPSD determines that implementation of the summary exclusion is warranted, the student will be provided with a written notice of the exclusion. A summary exclusion will become effective immediately upon the written notice being delivered to the student.

   A summary exclusion is a temporary action that will be enforced and shall be in effect only until such time as a formal disciplinary hearing and resulting decision-making process has been completed. Determination of continuing exclusion (or formal suspension) or expulsion will be made through the formal hearing process. Summary suspension may not be appealed prior to the required formal discipline hearing.

2. Disciplinary Sanctions

   The following are sanctions, which may be applied after a formal review of the charges through a hearing. Disciplinary sanctions may also include supplemental sanctions, which are noted in section F.

   A. Disciplinary Admonition and Warning. A verbal notice that a student’s conduct in a specific instance does not meet college standards and that continued misconduct may result in more serious disciplinary action by the Vice President for Student Development.

   B. Disciplinary Reprimand. A written notice by the Vice President for Student Development (VPSD) that a student’s conduct in a specific instance is in violation of the college standards and that continued misconduct may result in more serious disciplinary action by the VPSD.
C. Disciplinary Probation. A written notice by the Vice President for Student Development that a student may continue to be enrolled under stated conditions. Probation is for a fixed period of time up to one year and includes the probability of more severe disciplinary sanctions if the student is found to be violating any college policy, regulation or Student Code of Conduct during the probationary period. Disciplinary probation may include defining specific behaviors that the student must follow to remain a part of the college community.

D. Suspension. The Vice President for Student Development (VPSD) may suspend a student for a fixed period of time up to one year. As a condition for readmission to activities, classes or the college, the student shall be required to meet with the VPSD prior to being allowed to participate at the college after the suspension period has expired. Suspension means imposition of one or more of the following penalties:

1. Suspension of student status for a defined period of time, after which the student is eligible to return. The separated student is not to occupy any portion of the campus, including off-campus centers and is denied all college privileges including class attendance.

2. Exclusion from one or more classes for a defined period of time. The student may attend classes from which he or she was not suspended, participate in activities and occupy campus facilities.

3. Exclusion from one or more activities for a defined period of time. The student may participate in activities from which he or she was not suspended, attend classes and occupy campus facilities.

4. Exclusion from classes and activities for a defined period of time. The student may occupy campus facilities.

E. Expulsion. A permanent termination of student status and permanent separation from the college. Readmission to the college and reinstatement of privileges is contingent upon the student demonstrating that he/she has met all conditions required of him/her before being readmitted. A written request for readmission must be submitted to the Vice President for Student Development.

F. Supplemental Sanctions. The Vice President for Student Development may impose additional sanctions or requirements as a part of disciplinary probation. The imposition of such sanctions must be related to the nature of the violation. The following are examples of supplemental sanctions:

1. Restitution or reimbursement for damage to, or misappropriation of property which may take the form of monetary or material replacement or appropriate service to repair or otherwise compensate for damages. Restitution may be imposed in combination with any other penalty.

2. Work assignments.

3. Service to the college or community or other related discretionary assignments.

4. Educational activities and/or training.

5. Decision-making skills workshops/peer education, written responses to posed questions.

6. Mandatory counseling or therapy.

7. Revocation of degree, holding transcripts, removal from courses.

8. Loss of institutional grants, scholarships, and/or merit awards.

9. Loss of privileges or denial of specified privileges for a designated period of time up to an academic year.

10. Exclusion from campus or a portion thereof (which may result in the filing of a trespass complaint with the Douglas County Sheriff’s office if violated).

G. Referral to Outside Authorities. If a student is in violation of federal and state laws on campus, or at college-sponsored activities, it is the practice of the college to report offenses to local law enforcement agencies for prosecution. The college reserves the right to discipline a student even if no action is taken by the local law enforcement agency.

721.7 Student Grievance Procedure

Students have recourse through the Student Grievance Procedure, which provides both informal and formal processes, to investigate concerns or complaints arising from conditions, policy, procedures, practices, working relationships, decisions, actions or inactions of Umpqua Community College and/or its students and employees.

The informal procedure attempts to resolve the grievance through cooperative meetings with the parties involved. The formal procedure resolves issues through written grievances, investigations and hearings. Students are strongly encouraged to resolve any concern informally. It is not necessary to follow the informal procedure prior to filing a formal grievance.

If the informal procedure fails to resolve the issue, the student has the option of filing a formal complaint and/or pursuing outside legal advice. However, the student may not be represented by an attorney during the formal complaint process.

Students with complaints of possible unlawful harassment or unlawful discrimination may seek immediate assistance through the Office of the Vice President for Student Development or the Office of Human Resources.

Processes are student initiated and designed to facilitate the student’s grievance being heard and to outline steps to resolve the complaint. It is important that the student be an active and informed participant in the process.

Any timeline set forth in the procedures may be extended by the Vice President for Student Development upon written application to do so.

No student shall be expelled, suspended, disciplined or in any other way reprimanded or threatened with disciplinary activities for having pursued a grievance in good faith whether or not the charges were substantiated. However, anyone willfully filing a false grievance is subject to discipline.

A. Informal Grievance Process

Students are encouraged to resolve the issue through the informal grievance process. To address complaints in a timely fashion, students should begin the informal process within 30 college business days of the alleged complaint. The steps to follow in the informal process are as follows:

Step 1: The student should meet with the individual with whom he/she has the grievance.

Step 2: The student should meet with the supervisor of the individual with whom he/she has the grievance.

B. Formal Grievance Process

If the student is not satisfied with the informal process and any suggested resolution, the student may initiate the formal grievance process. The steps in the formal grievance process are as follows:

Step 1: Conference. The student shall schedule a conference with the Vice President for Student Development (VPSD) within 40 college business days of the incident. The VPSD will advise the student of his/her options and direct the student accordingly. The VPSD may endeavor to determine if the charges can be disposed of by mutual consent of the parties involved on a basis acceptable to the student.
Step 2: Filing of Grievance. The student shall file a written grievance with the Vice President for Student Development (VPSD) within five (5) college business days following the conference with the VPSD. A grievance form will be available at the office of the VPSD. Upon receipt of the complaint, the VPSD has the option to dismiss the concern as having no grounds for further review if the VPSD concludes that the concern is: untimely; based upon a non-grievable matter; being concurrently reviewed in another forum; previously decided pursuant to this review procedure; frivolous; or filed in bad faith.

Step 3: Notice of Hearing. The parties involved in the grievance shall be notified of in person or by regular US mail return receipt requested by the Vice President for Student Development (VPSD) of a hearing. Written notice will be provided within five (5) college business days after the grievance is filed and at least three (3) college business days prior to the scheduled hearing. Any party who wishes to have representation at the hearing must notify the VPSD in advance.

Step 4: Hearings Panel. The Vice President for Student Development (VPSD) will convene a hearings panel with in ten (10) college business days of receipt of the grievance. The hearings panel will consist of the VPSD, a college employee appointed by the VPSD, a member of the Associated Students of UCC (ASUCC) Executive Council and one of the following:

- the Human Resources Director,
- the Vice President for Administrative Services; or
- the Vice President for Instruction.

Step 5: Conduct of the Hearing. During the hearing, the Vice President for Student Development (VPSD) shall chair the process. It shall be at the discretion of the hearings panel to determine whether to meet with the involved parties separately or in a single meeting. The panel may call witnesses, including those persons identified by the parties, as well as any other persons who may have relevant information. The grievant shall have the opportunity to present witnesses or other evidence and to examine witnesses. The respondent shall have the opportunity to respond to the grievance, examine witnesses and present witnesses or other evidence to rebut the charges or findings. At the conclusion of the hearing, the panel will meet in executive session to render its decision.

Step 6: Findings. Following the hearing and within 30 college business days of receiving the formal grievance, the Vice President for Student Development will report, in writing to the involved parties, his/her findings, conclusions and any actions taken by the hearings panel to resolve the grievance.

Step 7: Appeal. See section 721.8

721.8 Appeals

The student may appeal a decision of the hearings panel to the college President or designee. In a discipline case, the disciplinary sanction is in effect until the appeal is completed. The following are the only grounds for appeal:

- A procedural error or irregularity, which materially affected the decision.
- New evidence of substantive nature not previously available at the time of the hearing that would have materially affected the decision.
- It is determined that a hearings panel member had a conflict of interest, which materially affected the decision.

Appeals shall be limited to review of the record of the hearing and supporting documents, except as required to explain new evidence that should be considered.

The steps in the appeal process are as follows:

Step 1: An appeal must be filed within three (3) college business days of receipt of notice of the decision from the hearings panel. If the request is not filed within the prescribed time, it shall be deemed that the student accepts the findings of the hearings panel.

The written appeal will include a written response to the findings and conclusions of the hearings panel and will address the grounds for the appeal.

Step 2: The President or designee will render a decision and submit a written report of findings to the hearings panel and will notify the student in writing within 10 college business days of receipt of the appeal. The President or designee may decide:

1. To uphold the original decision; or
2. To remand the case to the hearings panel for rehearing and decision. The rehearing shall be conducted within ten (10) college business days of receipt of the decision from the President or designee. The hearings panel shall notify the student within three (3) college business days of closing the hearing; or
3. To remand the case to an ad-hoc hearings panel for decision. In the case where an ad-hoc hearings panel must be convened, the panel shall be comprised of two (2) students, one (1) faculty, one (1) classified staff, one (1) administrator selected by the related representative bodies. The ad-hoc hearings panel shall be conducted within ten (10) college business days of receipt of the decision from the President or designee. The ad-hoc hearings panel shall notify the student within three (3) college business days of closing the hearing.
want to start at umpqua and transfer?

Good choice! It’s the personal attention you get at Umpqua that gives you a great start. Our graduates go on to successful academic and professional careers in all fields. One key to that success is advising — every transfer student should work closely with both a UCC academic adviser and a representative from the institution(s) they plan to attend.

The latest report from the Oregon Office of Community Colleges and Workforce Development shows that among Oregon community colleges with 20 or more students transferring into the Oregon University System, Umpqua has the highest percentage of students successfully continuing into their second year at the transfer institution — 84%!

Using Umpqua as your springboard for transfer success is as easy as 1 – 2 – 3:

1. **AAOT or OTM.** Work closely with a UCC academic adviser to follow the Associate of Arts Oregon Transfer (AAOT) degree program and complete your general education requirements, explore majors, and enter an Oregon University System campus or nearly any other college or university as a junior. Or follow the Oregon Transfer Module (OTM) to transfer as a sophomore. These are generally the best choices for students who are exploring different majors and/or different colleges and universities. Turn the page to get started.

2. **AS or targeted transfer.** Work closely with a UCC academic adviser to accumulate the maximum number of credits possible before transferring to your chosen college or university in your chosen major. These are generally the best choices for students who have selected a major or a college or university. Turn to page 46 for more information on OUS schools and page 48 for an alphabetical listing of transfer programs.

3. **GET STARTED NOW!**
transfer degrees and options

ASSOCIATE OF ARTS/OREGON TRANSFER (AAOT)

Associate of Arts

The Associate of Arts Degree is conferred on students who complete a full lower division college transfer program meeting requirements set jointly by Oregon’s community colleges and the Oregon University System. A grade of C or higher in each course and a cumulative GPA of 2.0 or higher are required. All Foundational Requirements and Discipline Studies Requirements courses must be at least three credits each.

This degree provides for “block transfer” to Oregon’s four-year colleges and universities. All lower division general education requirements of the receiving institution are met. Students should work closely with UCC advisers and faculty representatives of the institution(s) to which they may transfer for specific details.

Foundational Requirements:

Complete a minimum of 90 transfer credit hours to include the following: (Information Literacy outcomes are met within the three Foundational Writing courses):

1. Writing: WR 121, 122, and either WR 123 English Composition or WR 227 Technical Report Writing. Series meets AAOT Information Literacy requirement.

2. Oral Communications: SP 105 Listening, SP 111 Fundamentals of Public Speaking, SP 112 Persuasive Speech, SP 218 Interpersonal Communications, or SP 219 Small Group Discussion.

3. Math: At least one course numbered 100 or above totaling a minimum of four credits, for which at least MTH 095 (Intermediate Algebra) is a prerequisite.

4. Health/Wellness/Fitness: HPE 295 Wellness & Health Assessment.

Discipline Studies Requirements:

5. Science/Math/Computer Science: At least four courses, from at least two disciplines, including at least three biological or physical science courses with labs, from the approved list on page 42. Note: Math credits used to meet this requirement are in addition to any used to meet the Foundational Requirement above.

6. Social Science: At least four courses chosen from at least two disciplines on the approved list on page 43.

7. Arts and Letters: At least three courses, chosen from at least two disciplines on the approved list on page 42. Note: Second year world languages, are included in this category. First year world languages are counted as electives.

8. Electives: Any courses numbered 100 or above that would bring total credits up to 90. Note: Electives may include WR 115, and up to 12 credits from the approved Career and Technical Education (CTE) list on pages 43 and 44.

9. Cultural Literacy: At least one of the Discipline Studies courses above must be designated as meeting the criteria for Cultural Literacy. This course is not an additional course—it would also meet Foundational, Discipline, or Elective requirements.

10. NOTE: No course substitutions are allowed for the AAOT.

OREGON TRANSFER MODULE (OTM)

The Oregon Transfer Module is conferred upon students who complete a lower division college transfer program meeting requirements set jointly by Oregon’s community colleges and the Oregon University System. This module provides “block transfer” to Oregon’s four-year colleges and universities. A grade of C or higher in each course and a cumulative GPA of 2.0 or higher are required. All Foundational Requirements and Discipline Studies Requirements courses must be at least three credits each.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Foundational Requirements:

1. Writing: WR 121, WR 122, and either WR 123 English Composition or WR 227 Technical Report Writing.

2. Oral Communications: SP 105 Listening, SP 111 Fundamentals of Public Speaking, SP 112 Persuasive Speech, SP 218 Interpersonal Communications, or SP 219 Small Group Discussion.

3. Mathematics: At least one course numbered 100 or above totaling a minimum of four credits with at least MTH 095 (Intermediate Algebra) as a prerequisite.

Discipline Studies Requirements:

4. Science/Math/Computer Science: At least three courses totaling a minimum of fifteen credits, including at least one biological or physical science course with lab, from the approved list on page 42. Notes: Math credits used to meet this requirement are in addition to any used to meet the Foundational Requirement above. For students pursuing the AAOT degree, three courses must be biological or physical science courses with labs.

5. Social Science: At least three courses totaling a minimum of ten credits chosen from at least two disciplines on the approved list on page 43.

6. Arts and Letters: At least three courses totaling a minimum of ten credits, chosen from at least two disciplines on the approved list on page 42. Note: Second year world languages, are included in this category.

7. NOTE: No course substitutions are allowed for the OTM.

ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a lower division college transfer degree designed to prepare students to transfer into an upper division baccalaureate degree program by meeting the requirements of a specific receiving institution. Remaining receiving institutional requirements are met in the junior and senior years. No course substitutions are allowed for the AS degree. The articulated degree programs are listed alphabetically beginning on page 49:

All AS degrees require that students:

1. Meet the receiving institution’s general education requirements.
2. Meet the receiving institution’s major, GPA, and grade requirements.
3. Meet UCC’s residency requirement of 24 credits.
4. Complete lower division college transfer course electives from the approved list on pages 42-44, or other collegiate level courses numbered 100 or above, to reach a grand total of 90 credits when combined with general education requirements credits from the approved list on pages 42-44. These may include up to 12 credits of the approved Career and Technical Education (CTE) coursework. Courses used as electives must be numbered 100 and above.
ASSOCIATE OF GENERAL STUDIES (AGS)

The Associate of General Studies (AGS) degree is intended to meet individual student needs using a variety of lower division college level courses to meet degree requirements. “Associate of General Studies” appears on the student’s transcript. Specific program designation or focus does not appear on the student’s transcript or degree. Academic or Career and Technical Education (CTE) courses used to satisfy AGS degree requirements must be on the approved list on pages 42-44.

The AGS degree must include 90 quarter credits or equivalent proficiency, a recognizable core of general education courses, and an established standard of academic achievement. Electives may include any combination of lower division collegiate transfer and/or collegiate level career and technical education courses. The AGS degree is not to be used instead of a state-approved occupational preparatory Associate of Applied Science degree or certificate of completion program.

General requirements for the AGS

1. Complete a minimum of 90 credit hours which apply to the degree.
2. Earn a cumulative grade point average of 2.00 or above.
3. Complete a minimum of 18 credit hours which include:
   • Math: At least one course numbered 100 or above totaling a minimum of four credits, for which at least MTH 095 (Intermediate Algebra) is a prerequisite (BA 180 also meets this requirement).
   • WR 121 English Composition.
   • PSY 101 Psychology of Human Relations.
   • Discipline Studies: one course each from each of the approved lists for Arts and Letters; Science/Math/Computer Science; and Social Sciences on pages 42-44.
4. Attend UCC for at least two terms, including the last term.
5. Complete a minimum of 24 credit hours at UCC.
6. NOTE: No course substitutions are allowed for the AGS degree.

Second Language Admission Requirement for Oregon University System

The admission requirements for the Oregon University System include the completion of an acceptable second language, including American Sign Language (ASL), coursework, or demonstration of knowledge of and/or proficiency in a second language. New undergraduate students are required to meet an assessed proficiency-based standard in a second language.

The Oregon University System’s second language requirement is updated at the OUS website: www.ous.edu/stucoun/counres/files/lang02.pdf. All students graduating from high school in 1997 and thereafter must meet the requirement. New freshmen and transfer students who graduated from high school or completed a high school equivalency program prior to 1997 are exempted from meeting the requirement.

Students without two years of a second language can be admitted by exception. However, students admitted by exception must make up the admission deficiency. If the student makes up the deficiency by taking a second language at the system campus of enrollment, an additional fee may be assessed. All exceptions to the second language requirement will be decided on a case-by-case basis as deemed appropriate by the admitting institution.

How is the requirement to be met? High school and college options:

1. Two years of the same high school-level second language, or
2. C- or higher in the third year of high school-level second language, or
3. Two quarters or semesters of a college-level second language with a grade average of C-or better.

An associate degree is not required for entry into upper division work at a four-year institution. However, if you have not decided upon a specific course of study, or have not selected a four-year institution, you are advised to complete the Associate of Arts Oregon Transfer Degree. Coursework for this degree is designed to afford the maximum possible transferability of credit to other two- and four-year institutions in the United States. In addition, Associate of Arts Oregon Transfer Degree completers will be given first preference for transfer admission to Oregon public universities when enrollment limitations are in force. If you have chosen either a major or a transfer institution, work closely with UCC advisers and department faculty, along with representatives from the transfer institution to assure successful admission.
<table>
<thead>
<tr>
<th>ARTS AND LETTERS</th>
<th>SCIENCE/MATH/COMPUTER SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 134</td>
<td>MTH 105</td>
</tr>
<tr>
<td>ART 204*205,206</td>
<td>MTH 105T</td>
</tr>
<tr>
<td>ENG 104<em>105</em>106*</td>
<td>MTH 111</td>
</tr>
<tr>
<td>ENG 107,108,109*</td>
<td>MTH 112</td>
</tr>
<tr>
<td>ENG 201,202,203</td>
<td>MTH 211,212,213</td>
</tr>
<tr>
<td>ENG 204,205,206</td>
<td>MTH 231</td>
</tr>
<tr>
<td>ENG 230</td>
<td>MTH 241, 242</td>
</tr>
<tr>
<td>ENG 250</td>
<td>MTH 243</td>
</tr>
<tr>
<td>ENG 253<em>254</em>255*</td>
<td>MTH 251,252,253</td>
</tr>
<tr>
<td>ENG 260</td>
<td>MTH 254</td>
</tr>
<tr>
<td>ENG 288*</td>
<td>MTH 256</td>
</tr>
<tr>
<td>FA 256</td>
<td>BI 101,102,103</td>
</tr>
<tr>
<td>FR 201*,202*,203*</td>
<td>BI 110</td>
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<tr>
<td>GER 201,202,203</td>
<td>BI 211,212,213</td>
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<tr>
<td>J 205</td>
<td>BI 222</td>
</tr>
<tr>
<td>J 251</td>
<td>BI 231,232,233</td>
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<tr>
<td>MUS 105</td>
<td>BI 234</td>
</tr>
<tr>
<td>MUS 161</td>
<td>BOT 203</td>
</tr>
<tr>
<td>MUS 201,202,203</td>
<td>CH 104,105,106</td>
</tr>
<tr>
<td>MUS 204</td>
<td>CH 112</td>
</tr>
<tr>
<td>MUS 205</td>
<td>CH 211,212,223</td>
</tr>
<tr>
<td>PHL 201,202,203</td>
<td>CH 241,242,243</td>
</tr>
<tr>
<td>R 201,202,203</td>
<td>CS xxx</td>
</tr>
<tr>
<td>SPAN 201<em>202</em>203*</td>
<td>FN 225</td>
</tr>
<tr>
<td>SP 105</td>
<td>G 145</td>
</tr>
<tr>
<td>SP 111</td>
<td>G 146</td>
</tr>
<tr>
<td>SP 112</td>
<td>G 201,202,203</td>
</tr>
<tr>
<td>SP 218*</td>
<td>G 213</td>
</tr>
<tr>
<td>SP 219</td>
<td>GS 104,105,106</td>
</tr>
<tr>
<td>SP 237*</td>
<td>GS 107</td>
</tr>
<tr>
<td>TA 271</td>
<td>GS 113</td>
</tr>
<tr>
<td>WR 241,242,243</td>
<td>GS 147</td>
</tr>
<tr>
<td>WS 101</td>
<td>PE 135</td>
</tr>
<tr>
<td></td>
<td>PH 201,202,203</td>
</tr>
<tr>
<td></td>
<td>PH 211,212,213</td>
</tr>
</tbody>
</table>

* ART: One 3-credit course in studio arts numbered 100 or above. (ART 221*)

* THEATRE: One 3-credit course in theatre arts numbered 100 or above.

* meets AAOI Cultural Literacy Requirement
### SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 150</td>
<td>Introduction to Archaeology (3)</td>
</tr>
<tr>
<td>ANTH 165</td>
<td>Anthropology of Sex</td>
</tr>
<tr>
<td>ANTH 221<em>222</em>223*</td>
<td>Cultural Anthropology (3, 3, 3)</td>
</tr>
<tr>
<td>CJ 101</td>
<td>Introduction to Criminology (3)</td>
</tr>
<tr>
<td>CJ 110</td>
<td>Introduction to Law Enforcement (3)</td>
</tr>
<tr>
<td>CJ 114*</td>
<td>Cultural Diversity Issues in Criminal Justice (3)</td>
</tr>
<tr>
<td>CJ 130</td>
<td>Introduction to Corrections (3)</td>
</tr>
<tr>
<td>CJ 275</td>
<td>Comparative Criminal Justice Systems (3)</td>
</tr>
<tr>
<td>ECON 201,202,203</td>
<td>Economics (3, 3, 3)</td>
</tr>
<tr>
<td>ED 121,122,123</td>
<td>Leadership Development (3, 3, 3)</td>
</tr>
<tr>
<td>GEO 110</td>
<td>Introduction to Human Geography (3)</td>
</tr>
<tr>
<td>GEO 120</td>
<td>World Regional Geography (3)</td>
</tr>
<tr>
<td>GEO 206</td>
<td>Geography of Oregon (3)</td>
</tr>
<tr>
<td>HD 208</td>
<td>Career/Life Planning (3)</td>
</tr>
<tr>
<td>HDFS 201</td>
<td>Individual &amp; Family Development (3)</td>
</tr>
<tr>
<td>HDFS 225</td>
<td>Child Development (3)</td>
</tr>
<tr>
<td>HDFS 240</td>
<td>Contemporary American Family (3)</td>
</tr>
<tr>
<td>HS 100</td>
<td>Introduction to Human Services (3)</td>
</tr>
<tr>
<td>HS 154</td>
<td>Community Resources (3)</td>
</tr>
<tr>
<td>HST 104<em>105</em>106*</td>
<td>World History (3, 3, 3)</td>
</tr>
<tr>
<td>HST 201<em>202</em>203*</td>
<td>History of United States (3, 3, 3)</td>
</tr>
<tr>
<td>J 211*</td>
<td>Introduction to Mass Communication (3)</td>
</tr>
<tr>
<td>PS 201*,202*,203*</td>
<td>U.S. Government (3, 3, 3)</td>
</tr>
<tr>
<td>PS 205</td>
<td>International Relations (3)</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations (3)</td>
</tr>
<tr>
<td>PSY 201*,202*,203*</td>
<td>General Psychology (3, 3, 3)</td>
</tr>
<tr>
<td>SOC 204*,205*,206</td>
<td>Introduction to Sociology (3, 3, 3)</td>
</tr>
<tr>
<td>SOC 207</td>
<td>Juvenile Delinquency (3)</td>
</tr>
<tr>
<td>SOC 213*</td>
<td>Race, Class, &amp; Ethnicity (3)</td>
</tr>
<tr>
<td>SOC 225</td>
<td>Social Aspects of Addiction (3)</td>
</tr>
<tr>
<td>SOC 240</td>
<td>Sociology of Work and Leisure (3)</td>
</tr>
<tr>
<td>WS 101*</td>
<td>Introduction to Gender and Women's Studies (4)</td>
</tr>
</tbody>
</table>

* meets AAOT Cultural Literacy Requirement

Electives that meet AAOT Cultural Literacy Requirement:

- ART 210 Women in Art; ART 216 Introduction to History of Photography
- ART 217 Comics in American Culture

### CAREER & TECHNICAL

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR xxx</td>
<td>Apprenticeship</td>
</tr>
<tr>
<td>AUT xxx</td>
<td>Automotive</td>
</tr>
<tr>
<td>AV xxx</td>
<td>Aviation</td>
</tr>
<tr>
<td>BA 116</td>
<td>Principles of Financial Services</td>
</tr>
<tr>
<td>BA 128</td>
<td>Accounting Applications I</td>
</tr>
<tr>
<td>BA 129</td>
<td>Accounting Applications II</td>
</tr>
<tr>
<td>BA 130</td>
<td>Accounting Applications III</td>
</tr>
<tr>
<td>BA 150</td>
<td>Developing a Small Business</td>
</tr>
<tr>
<td>BA 151</td>
<td>Practical Accounting I</td>
</tr>
<tr>
<td>BA 152</td>
<td>Practical Accounting II</td>
</tr>
<tr>
<td>BA 160</td>
<td>Accounting for Managers</td>
</tr>
<tr>
<td>BA 165</td>
<td>Customer Service</td>
</tr>
<tr>
<td>BA 177</td>
<td>Payroll Accounting</td>
</tr>
<tr>
<td>BA 180</td>
<td>Business Mathematics I</td>
</tr>
<tr>
<td>BA 181</td>
<td>Business Mathematics II</td>
</tr>
<tr>
<td>BA 203</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>BA 215</td>
<td>Cost Accounting</td>
</tr>
<tr>
<td>BA 228</td>
<td>Computerized Accounting Systems I</td>
</tr>
<tr>
<td>BA 229</td>
<td>Computerized Accounting Systems II</td>
</tr>
<tr>
<td>BA 230</td>
<td>Computerized Accounting Systems III</td>
</tr>
<tr>
<td>BA 235</td>
<td>Intermediate Accounting I</td>
</tr>
<tr>
<td>BA 236</td>
<td>Intermediate Accounting II</td>
</tr>
<tr>
<td>BA 237</td>
<td>Intermediate Accounting III</td>
</tr>
<tr>
<td>BA 240</td>
<td>Introduction to Auditing</td>
</tr>
<tr>
<td>BA 256</td>
<td>Tax Accounting I</td>
</tr>
<tr>
<td>BA 257</td>
<td>Tax Accounting II</td>
</tr>
<tr>
<td>CIS xxx</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>CST xxx</td>
<td>Computer Information Systems (except CIS 120)</td>
</tr>
<tr>
<td>CWE xxx</td>
<td>Construction</td>
</tr>
<tr>
<td>CJ 100x</td>
<td>Cooperative Work Experience</td>
</tr>
<tr>
<td>CA xxx</td>
<td>Law Enforcement Skills Training</td>
</tr>
<tr>
<td>DA xxx</td>
<td>Culinary Arts</td>
</tr>
<tr>
<td>DRF xxx</td>
<td>Dental Assisting</td>
</tr>
<tr>
<td>ED 104</td>
<td>Drafting Technology</td>
</tr>
<tr>
<td>ED 105</td>
<td>ECE Seminar &amp; Practicum IV</td>
</tr>
<tr>
<td>ED 106</td>
<td>ECE Seminar &amp; Practicum V</td>
</tr>
<tr>
<td>ED 128</td>
<td>ECE Seminar &amp; Practicum VI</td>
</tr>
<tr>
<td>EMS xxx</td>
<td>Professional Truck Driver Trainer Certificate</td>
</tr>
<tr>
<td>FRR xxx</td>
<td>Emergency Medical Services</td>
</tr>
<tr>
<td>GT xxx</td>
<td>Fire Protection Technology</td>
</tr>
<tr>
<td>LA xxx</td>
<td>Green Technology</td>
</tr>
<tr>
<td>Paralegal Studies</td>
<td></td>
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</tbody>
</table>
CAREER & TECHNICAL, CONTINUED

<table>
<thead>
<tr>
<th>COURSE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>MED xxx</td>
<td>Medical Office</td>
</tr>
<tr>
<td>MFG xxx</td>
<td>Machine Manufacturing Technology</td>
</tr>
<tr>
<td>NRS xxx</td>
<td>Registered Nursing</td>
</tr>
<tr>
<td>OA xxx</td>
<td>Office Assistant</td>
</tr>
<tr>
<td>PN xxx</td>
<td>Practical Nursing</td>
</tr>
<tr>
<td>SDP xxx</td>
<td>Supervision</td>
</tr>
<tr>
<td>SUR xxx</td>
<td>Surveying</td>
</tr>
<tr>
<td>TTL xxx</td>
<td>Truck Driving</td>
</tr>
<tr>
<td>VC xxx</td>
<td>Visual Communications</td>
</tr>
<tr>
<td>VE xxx</td>
<td>Viticulture &amp; Enology</td>
</tr>
<tr>
<td>WLD xxx</td>
<td>Welding</td>
</tr>
<tr>
<td>WQT xxx</td>
<td>Water Quality Treatment</td>
</tr>
<tr>
<td>XXX 280X</td>
<td>Cooperative Work Experience (maximum 11 credits)</td>
</tr>
</tbody>
</table>
## ASSOCIATE OF ARTS OREGON PROGRAM ADVICE SHEET

2012 – 2013 UCC Catalog Advising Sheet

- Minimum 90 credits with a grade of "C" or higher needed to satisfy AAOT requirements – unless noted, courses offered at 3 credit hours each
- **+** Courses identified that meet the REQUIRED 3 credits for UCC AAOT Cultural Literacy
- **+** Courses with required pre/co-requisites (check catalogue course description – many may be banner enforced)
- To complete an AAOT at UCC, a minimum of 24 credits must be earned through UCC and two terms of attendance must have occurred at UCC
- Transfer Note: Check transfer school for admissions, foreign language & cultural literacy, and transfer program requirements

### AREA 1: FOUNDATIONAL REQUIREMENTS – all six courses are required to complete AAOT – writing, speech, health & physical education and math:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR 121</td>
<td>English Composition</td>
</tr>
<tr>
<td>SP 105, 111, 112, 213++ or 239</td>
<td>Health &amp; Wellness</td>
</tr>
<tr>
<td>WR 122 English Composition</td>
<td>MTH 100 level or above (4)</td>
</tr>
<tr>
<td>WR 123 English Composition</td>
<td>OR</td>
</tr>
<tr>
<td>WR 227 Technical Report Writing</td>
<td></td>
</tr>
</tbody>
</table>

### AREA 2: ARTS & LETTERS – Complete three courses from two different disciplines from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 204 History of Western Art ++</td>
<td>ENG 206 Survey of English Literature</td>
</tr>
<tr>
<td>ART 205 History of Western Art</td>
<td>ENG 250 Intro to Folklore/Mythology</td>
</tr>
<tr>
<td>ART 206 History of Western Art</td>
<td>ENG 253 Survey of American Literature ++</td>
</tr>
<tr>
<td>ART 210 Women in Arts ++</td>
<td>ENG 254 Survey of American Literature ++</td>
</tr>
<tr>
<td>ART 216 Intro to History of Photography</td>
<td>ENG 255 Survey of American Literature ++</td>
</tr>
<tr>
<td>ART 217 Comics and American Culture ++</td>
<td>ENG 288 Cultural Diversity American Lit.</td>
</tr>
<tr>
<td>ART 101 History of Western Art</td>
<td>FA 256 African American Film History (4)</td>
</tr>
<tr>
<td>ENG 104 Introduction to Literature ++</td>
<td>SPA 101, 202, 203, 204, 205</td>
</tr>
<tr>
<td>ENG 105 Introduction to Literature ++</td>
<td>SPAN 419, 420, 421 (4) (level = electives)</td>
</tr>
<tr>
<td>ENG 106 Introduction to Literature++</td>
<td>J 205 Intro to Public Relations</td>
</tr>
<tr>
<td>ENG 107 Introduction to Literature++</td>
<td>J 251 Writing for the Media</td>
</tr>
<tr>
<td>ENG 108 World Literature</td>
<td>MUS 101 Introduction to Music</td>
</tr>
<tr>
<td>ENG 109 World Literature++</td>
<td>MUS 202 Introduction to Music</td>
</tr>
<tr>
<td>ENG 201 Shakespeare</td>
<td>MUS 203 Introduction to Music</td>
</tr>
<tr>
<td>ENG 202 Shakespeare</td>
<td>MUS 204 Music for the World</td>
</tr>
<tr>
<td>ENG 203 Shakespeare</td>
<td>MUS 205 Introduction to Jazz History</td>
</tr>
<tr>
<td>ENG 204 Survey of English Literature</td>
<td>MUS 206 Introduction to Music</td>
</tr>
<tr>
<td>ENG 205 Survey of English Literature</td>
<td>MUS 207 Introduction to Music</td>
</tr>
</tbody>
</table>

### AREA 3: SCIENCE/MATH/COMPUTER/SCIENCE – Complete four courses from two disciplines, three must include a lab from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 101 General Biology (4)</td>
<td>CH 241 Organic Chemistry (4)*</td>
</tr>
<tr>
<td>BI 102 General Biology (4)</td>
<td>CH 242 Organic Chemistry (4)*</td>
</tr>
<tr>
<td>BI 103 General Biology (4)</td>
<td>CH 243 Organic Chemistry (4)*</td>
</tr>
<tr>
<td>BI 110 Wildlife Biology on Safari (4)</td>
<td>G 146 Rocks &amp; Minerals (4)</td>
</tr>
<tr>
<td>BI 211 Principles of Biology (5)*</td>
<td>G 201 General Geology (4)</td>
</tr>
<tr>
<td>BI 212 Principles of Biology (5)*</td>
<td>G 202 General Geology (4)</td>
</tr>
<tr>
<td>BI 213 Principles of Biology (5)*</td>
<td>G 203 General Geology (4)</td>
</tr>
<tr>
<td>BI 231 Anatomy &amp; Physiology (4)*</td>
<td>G 105 Physical Science (4)*</td>
</tr>
<tr>
<td>BI 232 Anatomy &amp; Physiology (4)*</td>
<td>G 106 Physical Science (4)*</td>
</tr>
<tr>
<td>BI 233 Anatomy &amp; Physiology (4)*</td>
<td>G 107 Beginning Astronomy (4)</td>
</tr>
<tr>
<td>BI 234 Anatomy &amp; Physiology (4)*</td>
<td>PH 201 General Physics (5)*</td>
</tr>
<tr>
<td>BOT 203 General Field Botany (4)</td>
<td>PH 202 General Physics (5)*</td>
</tr>
<tr>
<td>BOT 203A Field Botany of Soc or No. CA (4)</td>
<td>PH 203 General Physics (5)*</td>
</tr>
<tr>
<td>CH 101 Introduction to Chemistry (4)*</td>
<td>PH 311 Physics with Calculus (5)*</td>
</tr>
<tr>
<td>CH 105 Introduction to Chemistry (4)*</td>
<td>PH 312 Physics with Calculus (5)*</td>
</tr>
<tr>
<td>CH 106 Introduction to Chemistry (4)*</td>
<td>PH 313 Physics with Calculus (5)*</td>
</tr>
<tr>
<td>CH 112 Chemistry for Health Occupations (5)*</td>
<td>Area 3 Courses WITHOUT labs:</td>
</tr>
<tr>
<td>CH 221 General Chemistry (5)*</td>
<td>G 145 Geology of Pacific Northwest</td>
</tr>
<tr>
<td>CH 222 General Chemistry (5)*</td>
<td>G 213 Geology of National Parks</td>
</tr>
<tr>
<td>CH 223 General Chemistry (5)*</td>
<td></td>
</tr>
</tbody>
</table>

### AREA 4: SOCIAL SCIENCES – Complete four courses from two disciplines from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 211 Cultural Anthropology ++</td>
<td>ED 123 Leadership Development</td>
</tr>
<tr>
<td>ANTH 222 Cultural Anthropology ++</td>
<td>HD 208 Career &amp; Life Planning</td>
</tr>
<tr>
<td>ANTH 223 Cultural Anthropology ++</td>
<td>HDPS 201 Individual &amp; Family Development</td>
</tr>
<tr>
<td>ANTH 150 Introduction to Archaeology</td>
<td>HDPS 225 Child Development</td>
</tr>
<tr>
<td>CI 101 Introduction to Criminology</td>
<td>HDPS 240 Contemporary American Family</td>
</tr>
<tr>
<td>CI 1100 Introduction to Law Enforcement</td>
<td>HS 130 Introduction to Human Services</td>
</tr>
<tr>
<td>CI 114 Cultural Diversity Issues in CI++</td>
<td>HS 154 Community Resources</td>
</tr>
<tr>
<td>CI 130 Introduction to Corrections</td>
<td>HST 104 World History++</td>
</tr>
<tr>
<td>CI 275 Comparative Criminal Justice</td>
<td>HST 105 World History++</td>
</tr>
<tr>
<td>ECON 115 Economics</td>
<td>HST 106 World History++</td>
</tr>
<tr>
<td>ECON 201 Economics</td>
<td>HST 201 History of U.S.++</td>
</tr>
<tr>
<td>ECON 202 Economics</td>
<td>HST 202 History of U.S.++</td>
</tr>
<tr>
<td>ECON 203 Economics</td>
<td>HST 203 History of U.S.++</td>
</tr>
<tr>
<td>ED 121 Leadership Development</td>
<td>J 211 Mass Communication</td>
</tr>
<tr>
<td>ED 122 Leadership Development</td>
<td>PS 201 U.S. Government++</td>
</tr>
</tbody>
</table>

### AREA 5: ELECTIVES: Complete courses numbered 100 level or above to earn the remaining 90 credit hours. Up to a maximum of 12 earned credits of CTE (including CWS) and WR 115 may count toward elective credits.

---

UCC is an equal opportunity employer and educator.

Revised 3/12
Oregon University System School Information

The Oregon University System’s offers a number of programs at their seven universities for undergraduate degree, graduate degree or professional programs. Additional information on the OUS is available at http://www.ous.edu/stucoun/campcent for prospective students, university profile and the OUS Undergraduate Viewbook for Freshmen and Transfer Students 2012-13.

Admission and transfer information may also be obtained directly at:

**University of Oregon**
1217 University of Oregon
Eugene, OR 97406-1214
800-BE-A-DUCK or 800-232-3825
www.uoregon.edu

**Southern Oregon University**
1250 Siskiyou Blvd.
Ashland, OR 97520
541-552-6411 or 800-482-7672
www.sou.edu

**Oregon State University**
104 Kerr Administration Building
Corvallis, OR 97331-2106
541-737-4411 or 800-291-4192
www.oregonstate.edu

**Oregon Institute of Technology**
3201 Campus Drive
Klamath Falls, OR 97601-8801
541-885-1000
www.oit.edu

**Portland State University**
P.O. Box 751
Portland, OR 97207-0751
503-725-3511 or 800-547-8887
www.pdx.edu

**Western Oregon University**
345 N. Monmouth Avenue
Monmouth, OR 97361
1-877-877-1593
www.wou.edu

**Eastern Oregon University**
UCC Campus Center Building
1140 Umpqua College Rd.
Roseburg, OR 97470
Advising: 541-440-4708
Toll free: 800-894-1591
www.eou.edu
transfer programs

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  ART HISTORY  49, 50
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  PUBLIC RELATIONS  51, 52
  SPEECH COMMUNICATION  51, 53
  SPECIALIST IN ORGANIZATIONS  51, 53
  PUBLIC RELATIONS
    COMMUNICATION ASST.  51, 53
    PUBLIC RELATIONS SPECIALIST  51, 54
COMPUTER SCIENCE  54
CRIMINAL JUSTICE  54
DENTAL HYGIENE  55
ECONOMICS  55
EDUCATION  56
  EARLY CHILDHOOD DEVELOPMENT  56, 57
  ELEMENTARY & SECONDARY  57
  EARLY CHILDHOOD DEVELOPMENT  57
  PARAEDUCATOR/INSTRUCTIONAL ASSISTANT  57
ENGINEERING  57
SURVEYING & GEOMATICS  58
PRE-ENGINEERING  58
ENGLISH  59
GEOLOGY  59
HEALTH, HEALTH EDUCATION,  60
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HISTORY  60
HUMAN SERVICES  60
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MATHEMATICS  62
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MEDICAL TECHNOLOGY  62
MUSIC  63
MUSIC STUDIES  64
MUSIC: ENTERTAINMENT TECHNOLOGY  65
OUTDOOR RECREATION  66
PHILOSOPHY  66
PHYSICS  67
POLITICAL SCIENCE  67
PRE-LAW  67
PRE-PROFESSIONAL HEALTH CARE  67
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transfer programs

All transfer students should work closely with UCC advisers and faculty and representatives of the school(s) to which they may transfer.

ANTHROPOLOGY

Majors in anthropology are offered at UO, OSU, and PSU. A combined anthropology-sociology major is offered at EOU and SOU.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Suggested Transfer Guide

Anthropology

Term One – Fall
ANTH 221 Cultural Anthropology 3
WR 121 English Composition 3
World Language 4
Lab Science 4

Term Two – Winter
ANTH 222 Cultural Anthropology 3
WR 122 English Composition 3
World Language 4
Lab Science 4
Elective 3

Term Three – Spring
ANTH 223 Cultural Anthropology 3
ENG 250 Introduction to Mythology 3
MTH 105 or Introduction to Contemporary Mathematics OR
MTH 111 College Algebra 4
WR 123 English Composition 3
Lab Science 4

Term Four – Fall
ART 204 History of Western Art 3
HST 104 World History 3
HPE 295 Wellness & Health Assessment 3
R 201 World Religions 3
Elective 3

Term Five – Winter
ART 205 History of Western Art 3
HST 105 World History 3
R 202 World Religions 3
SP 105 or Listening OR
SP 111 or Fundamentals of Public Speaking OR
SP 218 or Interpersonal Communication OR
SP 219 or Small Group Discussion 3
Elective 3

Term Six – Spring
HST 106 World History 3
ART 206 History of Western Art 3
R 203 World Religions 3
SOC 213 Race, Class & Ethnicity 3
ANTH 150 Introduction to Archaeology 3

ART

Art Education, Art History, Pre-Architecture, Visual Communications

The UCC Fine and Performing Arts Department offers a comprehensive two-year course of study in Fine Arts. Classes in drawing, painting, printmaking, basic design, ceramics, sculpture, and computer-based arts provide students with a variety of foundation-level studio opportunities. Additional classes in art history and professional practices help prepare students for advanced studies at the university level and other artist opportunities, such as fellowships and internships. All Fine Arts faculty have degrees in the arts, and are practicing professional artists who bring a broad range of world experiences to their classrooms and studios.

Majors in art, art education, art history (or some combination) are offered at UO, OSU, PSU, EOU, WOU, and SOU. UCC offers coursework approved for transfer to these public institutions, Pacific Northwest College of Art and the Oregon College of Arts and Carfts, and other private colleges and universities. PSU and UO offer undergraduate programs in Architecture.

Students wishing to complete degrees in any art-based field should consult with the Fine Arts adviser and representatives of the schools to which they may transfer for assistance in planning their course of study at UCC. BA, BFA, and BArch requirements can be stringent; a plan will assist students in completing their studies in a timely manner.

ART: Art Education

Suggested Transfer Guide

Term One – Fall
ART 115 or Basic Design OR
ART 131 Introduction to Drawing 3
ENG 107 World Literature 3
WR 121 English Composition 3
World Language* 4
Science Elective 4

Term Two – Winter
ART 116 or Basic Design OR
ART 132 Introduction to Drawing 3
PSY 101 Psychology of Human Relations 3
WR122 English Comp 3
World Language 4
Science Elective 4

Term Three – Spring
ART 117 or Basic Design OR
ART 234 Figure Drawing 3
MTH 105 or Introduction to Contemporary Mathematics OR
MTH 111 College Algebra 4
WR 123 or English Composition OR
WR 227 Technical Report Writing 3
*World Language 4
Science Elective 4

Term Four – Fall
ART 197 Artist Survival/Practical Issues 3
ART 204 History of Western Art 3
ART Studio Electives 3
PSY 201 General Psychology 3
MTH/SCI/Comp Sci 3–4
*World Language 4

Term Five – Winter
ART 205 History of Western Art 3
ART Studio Electives 3
HPE 295 Wellness & Health Assessment 3
PSY 202 General Psychology 3
*World Language 4
**ART: Art Education, CONTINUED**

**Term Six – Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART 206</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ART</td>
<td>Studio Electives</td>
<td>3</td>
</tr>
<tr>
<td>SP 111 or</td>
<td>Fundamentals of Public Speaking OR</td>
<td></td>
</tr>
<tr>
<td>SP 112 or</td>
<td>Persuasive Speech OR</td>
<td></td>
</tr>
<tr>
<td>SP 218 or</td>
<td>Interpersonal Communication OR</td>
<td></td>
</tr>
<tr>
<td>or 219</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>PSY 203</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*World Language</td>
<td>4</td>
</tr>
</tbody>
</table>

*Note that some university art programs have specific world language requirements. Check with your adviser and the university to which you will transfer.

**ART: Art History**

**Suggested Transfer Guide:**

**Term One – Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 115 or</td>
<td>Basic Design OR</td>
<td></td>
</tr>
<tr>
<td>ART 131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>HST 104</td>
<td>World History</td>
<td>3</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
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<tr>
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<td>*World Language</td>
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</table>

**Term Two – Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 116 or</td>
<td>Basic Design OR</td>
<td></td>
</tr>
<tr>
<td>ART 132</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
<td>3</td>
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<tr>
<td>HST 105</td>
<td>World History</td>
<td>3</td>
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<tr>
<td>WR 122</td>
<td>English Composition</td>
<td>3</td>
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<td>*World Language</td>
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**Term Three – Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>WR 123 or</td>
<td>English Composition OR</td>
<td>3</td>
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<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>MTH 105 or</td>
<td>Introduction to Contemporary</td>
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<tr>
<td></td>
<td>Mathematics OR</td>
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<tr>
<td>MTH 111</td>
<td>College Algebra</td>
<td>4</td>
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<tr>
<td>SP 111 or</td>
<td>Fundamentals of Public Speaking OR</td>
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</tr>
<tr>
<td>SP 112 or</td>
<td>Persuasive Speech OR</td>
<td></td>
</tr>
<tr>
<td>SP 218 or</td>
<td>Interpersonal Communication OR</td>
<td></td>
</tr>
<tr>
<td>or 219</td>
<td>Small Group Discussion</td>
<td>3</td>
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<tr>
<td>HST 106</td>
<td>World History</td>
<td>3</td>
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<td>*World Language</td>
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**Term Four – Fall**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART 204</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science Elective</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>*World Language</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Social Science</td>
<td>3</td>
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**Term Five – Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 205</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science Elective</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>*World Language</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Studio Art</td>
<td>3</td>
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**Term Six – Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 206</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science Elective</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>*World Language</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Studio Art</td>
<td>3</td>
</tr>
</tbody>
</table>

*Most Art History programs require French or German. Consult with faculty adviser and transfer institution.*

**ART: Pre-Architecture**

**Suggested Transfer Guide**

**Term One – Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 115</td>
<td>Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 204</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td>MTH 111 or</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MTH 112 or</td>
<td>Elementary Functions OR</td>
<td></td>
</tr>
<tr>
<td>MTH 243</td>
<td>Introduction to Probability &amp; Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PH 201</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
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**Term Two – Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 116</td>
<td>Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 205</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 132</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>PH 202</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>WR 122</td>
<td>English Composition</td>
<td>3</td>
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</table>

**Term Three – Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 117</td>
<td>Basic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 206</td>
<td>History of Western Art</td>
<td>3</td>
</tr>
<tr>
<td>PH 203</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>WR 123</td>
<td>English Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

This is a sample of a possible one-year course of study. Architecture programs are highly competitive and specific in their requirements, and may require up to an additional five years of full-time study after transfer. Consult with your faculty adviser for guidance.

**ART: Visual Communications**

The Visual Communications Program has been developed to meet student interest and industry demand for a concentrated, rigorous curriculum that will prepare students for entry-level skills in both print and digital media. This program replaced the discontinued Desktop Marketing Certificate that was offered through the Business Department.

UCC offers an AAS in Visual Communications, and two skills certificates: a 15-credit Visual Communications Assistant Certificate offered entirely on line, and an 18-credit Pre-Press Technician Certificate.

Students in Visual Communications will develop skills in graphic design, layout, typography, photography, and digital media, plus essential career skills such as teamwork and creative problem solving. The VC Program is structured to assist students in developing a broad range of entry-level skills in both print and web-based applications.

Projects will include corporate identity programs, editorial design, illustration, multimedia presentations, print media publications, packaging design, typography, website design and video production.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.
BIOLOGY
Majors in biology and specialized fields within this broad discipline are offered at OSU, UO, PSU, WOU, EOU, and SOU. UCC offers coursework approved for transfer to these institutions.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

BUSINESS ADMINISTRATION
Associate of Science Degree – Articulated with the Business Program at Southern Oregon University

The Associate of Science degree (Business) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU’s Business program and allows students to transfer directly as juniors and to become admitted into the Business program at Southern Oregon University with no loss of credits to pursue a bachelor’s degree. The program offers an excellent balance of business and general education courses that support advanced study in the field of business.

Students should contact the SOU School of Business early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program. Students transferring to SOU will be required to complete BA 100 Orientation at the School of Business and BA 282 Business Statistics on campus at SOU during their first quarter.

Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

Students are required to take the college placement test to determine skill level and readiness indicated by test scores. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their employability and success.

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department head’s approval. In order to ensure coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department head before being accepted toward course requirements.

Students must complete a minimum of 90 term credits of lower division collegiate courses with minimum grades of C or better.

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have the following requirement for admission to a four-year Oregon state college or university: 1) Two years of the same high school-level language, or 2) two terms of college-level language with a grade of C or better (may be first-year language which be used as elective credits).

It is recommended that students wait until their second year to take the Principles of Accounting and Principles of Economics series. A business adviser should approve any deviation from this recommendation.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.


CHEMISTRY
Majors in chemistry are offered at UO, OSU, PSU, SOU and EOU.

UCC offers programs of study which are approved for transfer to these institutions. Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Suggested Transfer Guide
Chemistry

Term One – Fall
CH 221 General Chemistry 5
MTH 251 Calculus I 4
WR 121 English Composition 3
World Language 4

Term Two – Winter
CH 222 General Chemistry 5
MTH 252 Calculus II 4
WR 122 English Composition 3
World Language 4

Term Three – Spring
CH 223 General Chemistry 5
MTH 253 Calculus III 4
WR 123 or English Composition OR
WR 227 Technical Report Writing 3
World Language 4

Term Four – Fall
CH 241 Organic Chemistry 4
MTH 254 Vector Calculus I 4
PH 211 General Physics w/Calculus 5
SP 111 Fundamentals of Public Speaking 3

Term Five – Winter
CH 242 Organic Chemistry 4
MTH 256 Differential Equations 4
PH 212 General Physics w/Calculus 5
Elective 3-4

Term Six – Spring
CH 243 Organic Chemistry 4
HPE 295 Wellness & Health Assessment 3
PH 213 General Physics w/Calculus 5
Elective 3-4

COMMUNICATION STUDIES
Journalism, Public Relations, Speech Communications, Certificates

Oregon universities vary greatly in transfer requirements for Communication Studies and Journalism programs. Students must consult the UCC Advising and Career Center, their adviser and their transfer school as early as possible. Most Bachelor of Arts degrees require a second year of world languages; Bachelor of Science degrees require additional math. See Communication Studies instructors on how to earn a Communication Pathways Certificate concurrently with an AAOT.
COMMUNICATION STUDIES: Journalism
Suggested Transfer Guide

Term One – Fall
ENG*** Any literature 3
GS 104 *Physical Science 4
SP 111* or Fundamentals of Public Speaking OR
SP 112 or Persuasive Speech OR
SP 218 or Interpersonal Communication OR
SP 219 Small Group Discussion 3
MTH 111 College Algebra 4
WR 121 English Composition 3

Term Two – Winter
ENG*** Any literature 3
GS 105* Physical Science 4
MTH 112 or Elementary Functions OR
MTH 243 Introduction to Probability & Statistics 4
SPAN or FR**** World Language 4
WR 122 English Composition OR

Term Three – Spring
ENG*** Any literature 3
J 205 Public Relations 3
GS 106* Physical Science 4
SPAN or FR**** World Language 4
WR 123 or English Composition OR
WR 227 Technical Report Writing 3

Term Four – Fall
ECON 201 Economics 3
HST 106**** World History 3
HPE 295 Wellness & Health Assessment 3
J 215 Journalism Production 1-3
J 251 Writing for the Media 3
SPAN or FR**** World Language 4

Term Five – Winter
ECON 202 Economics 3
HST 202 History of United States 3
J 215 Journalism Production 1-3
SPAN or FR**** World Language 4
Any literature 3

Term Six – Spring
ECON 203 Economics 3
HST 203 History of United States 3
J 215 Journalism Production 1-3
J 211 Introduction to Mass Communication 3
SPAN or FR**** World Language 4
Any literature 3

*The Physical Science sequence is recommended for journalists. Any science with a lab may be substituted for students working to earn the AAOT.

**SOU requires SP 111 or SP 219

***The U of O requires 16 literature credits. SOU requires 8 credits in Arts & Letters which may include literature.

****Complete up through a second year if transferring to earn a B.A.

*****French required for Master’s Degree programs.

The U of O requires 8 hours of any history. U.S. History is recommended by UCC.

COMMUNICATION STUDIES: Public Relations

Students may work as communication professionals by becoming journalists, speech teachers, public relations specialists, corporate communications officers, community relations managers, or broadcasters, among a growing number of different occupations in this field. Many of Oregon’s public and private four-year colleges and universities include Journalism, Speech and Public Relations or related programs under the broader umbrella of Communications; some also integrate media and communication courses within one program.

Suggested Transfer Guide

Term One – Fall
GS 104 Physical Science 4
MTH 105 or Introduction to Contemporary Mathematics OR
MTH 111 College Algebra 4
WR 121 English Composition 3
History / Social Science 3

Term Two – Winter
GS 105 Physical Science 4
SP 111 or Fundamentals of Public Speaking OR
SP 112 or Persuasive Speech OR
SP 219 or Small Group Discussion OR
Humans elective 3
WR 122 English Composition 3
History / Social Science 3

Term Three – Spring
GS 106 Physical Science 4
J 215 Journalism Production 3
J 205 or Public Relations OR
J 211 Introduction to Mass Communication 3
WR 123 or English Composition OR
WR 227 Technical Report Writing 3
History / Social Science 3

Term Four – Fall
ECON 201 Economics 3
J 215 Journalism Production 3
SP 111 or Fundamentals of Public Speaking OR
SP 112 or Persuasive Speech OR
SP 219 Small Group Discussion 3
History / Social Science 3
Humans / Literature 3

Term Five – Winter
ECON 202 Economics 3
J 251 Writing for Media 3
SP 105 or Listening OR
SP 218 Interpersonal Communication 3
History / Social Science 3
Humans elective 3

Term Six – Spring
ECON 203 Economics 3
HPE 295 Wellness & Health Assessment 3
J 205 or Public Relations OR
J 211 Introduction to Mass Communication 3
SP 111 or Fundamentals of Public Speaking OR
SP 112 or Persuasive Speech OR
SP 219 Small Group Discussion 3
Humans elective 3
**COMMUNICATION STUDIES: Speech Communication**

Students should consult their UCC adviser for any special requirements of the college or university to which they will transfer.

**Suggested Transfer Guide**

**Term One – Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Language OR</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>History / Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Term Two – Winter**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 219</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>WR 122</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Language OR</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>MTH 105</td>
<td>Introduction to Contemporary Mathematics OR</td>
<td>3</td>
</tr>
<tr>
<td>MTH 111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

**Term Three – Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 112</td>
<td>Persuasive Speech</td>
<td>3</td>
</tr>
<tr>
<td>WR 123</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>History / Social Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Language OR</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>MTH 105</td>
<td>Introduction to Contemporary Mathematics OR</td>
<td>3</td>
</tr>
<tr>
<td>MTH 111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

**Term Four – Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG</td>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>GS 104</td>
<td>Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Language OR</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Term Five – Winter**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS 105</td>
<td>Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>SP 105</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>SP 218</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Language OR</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Term Six – Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GS 106</td>
<td>Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>J 211</td>
<td>Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Language OR</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

**COMMUNICATION STUDIES: Certificates**

Opportunities in the communication field are growing at a faster than average rate. Students who earn four-year degrees in communication may choose to work in such fields as media or broadcasting, journalism, public relations, marketing, education, or business leadership, among others. Degrees can be earned in any of these specializations at four-year colleges and universities. The Communication Studies coursework at UCC prepares students for career applications and transfer into four-year degree programs. Students may choose from one of three program areas of concentration: Journalism, Public Relations/General Communication, or Speech.

Communication Specialist in Organizations Pathways Certificate

This certificate will represent 18 credit hours of coursework completed in the Communication Studies area that applies to positions such as customer service or other communication-related jobs such as marketing and sales. Students who complete this certificate will have demonstrated skill in listening, developing persuasive messages, problem solving, team work, decision making, clearly communicating information, developing rapport, and technical writing.

**REQUIRED CURRICULUM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 105</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>SP 112</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>BA 214 or</td>
<td>Business Communications OR</td>
<td></td>
</tr>
<tr>
<td>BA 165</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>SP 219</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Certificate Credits</td>
<td>15</td>
</tr>
</tbody>
</table>

Public Relations Communication Assistant Pathways Certificate

This certificate will represent 18 credit hours of coursework completed in the Communication Studies area that applies to positions such as public relations specialists or other communication-related jobs such as marketing and sales. Students who complete this certificate will have demonstrated skill in analyzing needs of different publics, listening, developing persuasive messages, understanding the history and influence of mass media, writing for the media, problem solving, team work, decision-making, and applying relevant theories to work and public situations.

**REQUIRED CURRICULUM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>J 205</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>J 211</td>
<td>Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>J 251</td>
<td>Writing for the Media</td>
<td>3</td>
</tr>
<tr>
<td>SP 105</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>SP 112</td>
<td>Persuasion</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition to required courses (listed above) students must complete 3 additional credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 125H</td>
<td>Writing Web Pages</td>
<td>2</td>
</tr>
<tr>
<td>J 215</td>
<td>Journalism Production</td>
<td>1-3</td>
</tr>
<tr>
<td>VC 121</td>
<td>Layout Basics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Certificate Credits</td>
<td>18</td>
</tr>
</tbody>
</table>
COMMUNICATION STUDIES: Certificates, CONTINUED

Public Relations Specialist Certificate

Though individuals who work in the public relations field as specialists generally have a bachelor’s degree, this 48-credit certificate may lead to some entry-level public relations positions (e.g., assisting with event coordination or meeting planning, developing marketing tools and press releases, etc.) or related areas in marketing and sales.

REQUIRED CURRICULUM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA 223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA 238</td>
<td>Salesmanship</td>
<td>3</td>
</tr>
<tr>
<td>CIS 125H</td>
<td>Writing Web Pages</td>
<td>2</td>
</tr>
<tr>
<td>J 205</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>J 211</td>
<td>Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>J 251</td>
<td>Writing for the Media</td>
<td>3</td>
</tr>
<tr>
<td>J 215</td>
<td>Journalism Production</td>
<td>2</td>
</tr>
<tr>
<td>SP 105</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>SP 112</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MTH 105 (or higher)</td>
<td>Introduction to Contemporary Mathematics</td>
<td>4</td>
</tr>
</tbody>
</table>

Plus two additional courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 165</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>BA 214</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>SP 218</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP 219</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>SP 298</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>VC 121</td>
<td>Layout Basics</td>
<td>3</td>
</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits: 48

COMPUTER SCIENCE

Computer science is the study of programs, data, computing machinery, and how these interact. The computer science program offered at UCC is mathematically-based.

 Majors in computer science are offered at UO, OSU, PSU, WOU, and SOU. However, it should be noted that the curriculum does vary at the above schools. You should consult your UCC faculty adviser before your first term at UCC.

CRIMINAL JUSTICE

Associate of Science Degree – articulated with the Criminology and Criminal Justice (CCJ) Program at Southern Oregon University.

The Associate of Science degree (Criminal Justice) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU’s Criminology and Criminal Justice program and allows students to transfer directly as juniors and to become admitted into the Department of Criminology and Criminal Justice at Southern Oregon University with no loss of credits to pursue a bachelor’s degree. The program offers an excellent balance of criminal justice and general education courses that support advanced study in the field of criminology. Students should contact the Department of Criminology and Criminal Justice at SOU early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

Graduation Requirements

Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade point of 2.0 and a grade of C or better in Writing 121, Writing 122, and the Speech class chosen to meet the Oral Communication requirement. Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have the following requirement for admission to a four-year Oregon state college or university: 1) Two years of the same high school-level second language, or 2) two terms of a college-level second language with a grade of C or better (may be first-year second language which can be used as elective credits). Note: If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a World Language regardless of when they graduated from high school or equivalency program. Students interested in pursuing a Bachelors Degree related to Criminal Justice at other institutions should consider the AAOT. The AAOT degree can facilitate a student completing their lower division coursework before transferring to complete their degree (although the AAOT may not satisfy all “program” requirements in the new setting). Interested students should consult with the Criminal Justice Program Coordinator as well as Academic Advisers to maximize the Criminal Justice focus for their AAOT degree.

REQUIRED CURRICULUM

Writing and Oral Communication Skills (Grade of C or better required)

Required Credits: 9

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>WR 122 or</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>WR 123</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>SP 218 or</td>
<td>Fundamentals of Public Speaking OR</td>
<td>4</td>
</tr>
<tr>
<td>SP 219</td>
<td>Interpersonal Communication OR</td>
<td>4</td>
</tr>
</tbody>
</table>

Mathematics: Required Credits 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 105 or</td>
<td>Introduction to Contemporary Mathematics OR</td>
<td>4</td>
</tr>
<tr>
<td>MTH 243</td>
<td>Introduction to Probability &amp; Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: The Bachelor of Science degree requires two courses (7 credits) of math or designated programming, statistics, or logic courses. The second course may be chosen from the following list at UCC as an elective or completed later at SOU. Please see your academic adviser for details.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 161 or</td>
<td>Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>MTH 105</td>
<td>Introduction to Contemporary Mathematics OR</td>
<td>4</td>
</tr>
<tr>
<td>MTH 111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH 112</td>
<td>Elementary Functions</td>
<td>4</td>
</tr>
<tr>
<td>MTH 211 AND</td>
<td>Fundamentals of Elementary Math</td>
<td>4</td>
</tr>
<tr>
<td>MTH 212</td>
<td>(must take both)</td>
<td>4</td>
</tr>
<tr>
<td>MTH 241</td>
<td>Calculus for Mgmt &amp; Social Science I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 243</td>
<td>Introduction to Probability &amp; Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 251</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PH 203</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities Exploration: Required Credits 9

Complete at least three Humanities courses from the SOU General Education Transfer Guide* 

Social Science Exploration: Required Credits 9

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 101</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 120</td>
<td>Introduction to Judicial Process</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus one additional Social Science course from the SOU General Education Transfer Guide* 

Science Exploration: Required Credits 11

Complete at least three Science courses from the SOU General Education Transfer Guide* At least two of the science courses must have labs.
Program Requirements for Criminology & Criminal Justice:

Required Credits
- CJ 101: Introduction to Criminology  3**
- CJ 105: Concepts of Criminal Law  3
- CJ 110: Introduction to Law Enforcement  3
- CJ 120: Introduction to Judicial Process  3**
- CJ 130: Introduction to Corrections  3

** Note: Of the 15 credits listed above, 6 credits (CJ 101 & CJ 120) already count as Social Science credits, leaving 9 required program credits.

Electives: Required Credits 38-39
Complete a sufficient number of transfer-level courses (numbered 100 and above) to meet the total degree requirement of at least 90 credits. A maximum of 12 professional/technical course credits may be used toward this degree.

TOTAL PROGRAM CREDITS 90
* Use the SOU General Education Transfer Guide to identify courses that satisfy the categories listed above. Select Umpqua Community College from the drop-down menu. Then view courses listed under each category. If you are using a paper copy of this guide, or if the link does not work, follow these steps to see the courses:

Visit: www.sou.edu/admissions/transfer
Select: General Education Transfer Guides
Select: “Umpqua Community College” from the drop-down menu

Note: SOU Criminology and Criminal Justice Graduation Requirements: Minimum GPA of 2.5 is required for graduation and no more than one grade below C- allowed in all upper division CCJ major coursework.

Suggested Transfer Guide

Term One – Fall
- CJ 110: Introduction to Law Enforcement  3
- SP 111 or SP 218 or SP 219: Fundamentals of Public Speaking OR Interpersonal Communication OR Small Group Discussion  3
- WR 121: English Composition  3
- Elective  3

Term Two – Winter
- CJ 120: Introduction to Judicial Process  3
- WR 122: English Composition  3
- Elective  3
- Elective  3

Term Three – Spring
- CJ 101: Introduction to Criminology  3
- CJ 130: Introduction to Corrections  3
- MTH 105: Introduction to Contemporary Mathematics  4
- Elective  3
- Elective  3

Term Four – Fall
- CJ 105: Concepts of Criminal Law  3
- Required Humanities*  3
- Required Science*  4
- Elective  3
- Elective  3

Term Five – Winter
- Required Humanities*  3
- Required Science*  4
- Elective  3
- Elective  3
- Elective  3

Term Six – Spring
- Required Humanities*  3
- Required Science*  3
- Elective  3
- Elective  3

NOTES:
* See SOU General Education Transfer Guide
For more information about the SOU Criminology & Criminal Justice Program, visit: www.sou.edu/criminology

DENTAL HYGIENE
The UCC Dental Hygiene transfer program prepares students for a Bachelor of Science Degree in Dental Hygiene at Oregon Institute of Technology. Students transferring from Umpqua Community College to Oregon Institute of Technology will be given full credit for all articulated courses listed below.

The OIT Dental Hygiene program is a 1 + 3 program, meaning that full-time students should be able to complete prerequisites in one year, with an additional three (3) years required for the OIT Bachelor’s program. Students must complete a minimum of 60 credits of upper-division work (300- and 400-level classes taken at a four-year institution) before a degree will be awarded - a minimum of 45 of these credits must be taken from OIT.

Suggested Transfer Guide

BI 231: Human Anatomy and Physiology  4
BI 232: Human Anatomy and Physiology  4
BI 233: Human Anatomy & Physiology  4
BI 234: Introductory Microbiology  4
CH 104: Introductory Chemistry  4
CH 105: Introductory Chemistry  4
CH 106: Introductory Chemistry  4
FN 225: Human Nutrition  4
MED 111: Medical Terminology I  3
MTH 111: College Algebra  4
SOC 204: Introduction to Sociology  3
SP 111: Fundamentals of Public Speaking  3
WR 121: English Composition  3

Please refer to the OIT Dental Hygiene Website www.oit.edu/dentalhygiene to view application procedures and curriculum requirements for students applying to the professional program.

ECONOMICS

 Majors in economics are offered at UO, OSU, PSU, and SOU.
UCC offers coursework approved for transfer to these institutions.
Students planning to transfer in economics should work closely with UCC advisers and representatives from the school to which they may transfer.
EDUCATION

Early Childhood Development, Elementary & Secondary, Paraeducator/Instructional Assistant

EDUCATION: Early Childhood Development

The Associate of Science degree in Early Childhood Development has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU’s Early Childhood Development (ECD) program and allows students to transfer directly as juniors and be eligible to begin the ECD coursework at Southern Oregon University with no loss of credits to pursue a bachelor’s degree. The program offers an excellent balance of education and general education courses that support advanced study in the field of early childhood development.

Students should contact the SOU School of Education early in the second year of their AS program to be advised about additional requirements and procedures for admission to SOU. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

Entry Requirements

Students required to take the college placement test(s) at UCC to determine skill level and readiness indicated by test scores. To help ensure student success, students must begin with the courses within their skill levels as determined by placement test scores (e.g., math, world languages if desired, etc.) In addition, students may also be required to enroll in classes that would increase their academic success.

In addition, students will be required to enroll in the Oregon Childcare Registry to complete the criminal background check, obtain a Food Handler’s Certificate, First Aid and CPR card and show proof of immunizations including MMR, in order to participate in the ECE Practicum and Seminar courses.

Graduation Requirements

Students must complete a minimum of 103 term credits of lower division collegiate courses with a minimum grade of C or better.

Education — Specific Requirements

All coursework listed below is required for the Associate of Science degree which includes a minimum of 56 credits in education and related classes. The following is an example of a term-by-term breakdown. Other credits include the general and distribution requirements below:

Term One – Fall

ED 101 ECE Seminar & Practicum I 4
ED 140 Introduction to ECE 2
HDFS 226 Infant and Toddler Development 3
WR 121 English Composition 3
Distribution Requirement from list below 3-4

Term Two – Winter

ED 102 ECE Seminar & Practicum II 4
ED 150 Creative Activities 3
ED 178 Observing and Guiding Behavior 3
WR 122 English Composition 3
Distribution Requirement from list below 3-4

Term Three – Spring

ED 103 ECE Seminar & Practicum 4
ED 240 Lesson & Curriculum Planning 3
HDFS 228 The Exceptional Child 3
SP 111 Fundamentals of Public Speaking 3
Distribution Requirement from list below 3-4

Term Four – Fall

ED 104 ECE Seminar & Practicum IV 4
HDFS 240 Contemporary American Family 3
MTH 211 Fundamentals of Elementary Math I 4
Distribution Requirement from list below 3-4

Term Five – Winter

ED 105 ECE Seminar & Practicum V 4
ED 247 Administration of Child Care Centers 3
HDFS 225 Child Development 3
MTH 212 Fundamentals of Elementary Math II 4
Distribution Requirement from list below 3-4

Term Six – Spring

ED 106 ECE Seminar & Practicum VI 4
ED 154 Literature and Language for Children 3
ED 244 Individualized Learning 3
for Preschoolers 3-4
Distribution Requirement from list below 3-4

GENERAL REQUIREMENTS (13-17 credits)

Writing Skills

WR 121 English Composition 3
WR 122 English Composition 3

Oral Communications

SP 111 Fundamentals of Public Speaking 3

Mathematics (4-8 credits)

MTH 211 & 212 or MTH 243 Fundamentals of Elementary Math OR 8
MTH 243 Introduction to Probability & Statistics 4

Distribution Requirements (30-32 credits):

Humanities: Complete at least one ART, one MUS and one ENG Literature course

Art (choice of one):

ART 102 Art Appreciation 3
ART 204,205, 206 History of Western Art 3

Music (choice of one):

MUS 105 Introduction to Rock Music 3
MUS 201,202,203 Introduction to Music and Its Literature 3
MUS 204 Music of the World 3
MUS 205 Introduction to Jazz History 3

English Literature (choice of one):

ENG 104,105,106 Introduction to Literature 3
ENG 107,108,109 World Literature 3
ENG 204,205,206 Survey of English Literature 3
ENG 253,254,255 Survey of American Literature 3

Social Science: Complete one HST, one PSY and one SOC class

HST 201,202,203 History of United States 3
PSY 201 General Psychology 3
SOC 204 Introduction to Sociology 3
SOC 205 Institutions and Social Changes 3

Lab Science: Complete one Life Science, one Physical Science and one other Science class (at least two courses must have labs)

Life Science:

BI 101, 102,103 Introduction to Biology w/lab 4

Physical Science:

GS 104, 105, 106 General Science 4
CH 104, 105 Introduction to Chemistry 4
G 201, 202 Introduction to Geology 4
PH 201, 202 General Physics w/lab. recitation 5
PH 211, 212, 213 General Physics w/Calculus 5
w/lab, recitation
Total Degree Credits 103
Additional Considerations:
Students who have graduated from high school or completed a high school equivalency program in 1997 or thereafter must have the following requirement for admission to a four-year Oregon state college or university: 1) Two years of the same high school-level second language, or 2) two terms of college-level second language with a grade of C or better (may be first-year second language which can be used as elective credits). Note: Students planning to complete a Bachelor of Arts (BA) degree of a four-year school will be required to complete the equivalent of one year of study of a World Language at the second-year level (or above) before graduation. For more information about SOU’s Early Childhood Development program, visit www.sou.edu/education/ecd.

EDUCATION: Early Childhood Development
(Certificate and Associate of Applied Science Degree)

The Early Childhood Education program prepares students to work with pre-school age children as teachers or aides. Three Career Pathway Certificates of Completion, an Associate of Science and an Associate of Applied Science degree are offered at UCC. For more information about the ECE certificate and AAS degree, go to the Career and Technical portion of this catalog under EDUCATION: EARLY CHILDHOOD EDUCATION.

EDUCATION: Elementary & Secondary

There are many different educational programs available to prospective elementary and secondary teachers at Oregon universities and colleges. Some incorporate the teaching licensure within a baccalaureate program, and some within a master’s program. In secondary education, students are advised to decide what subject matter they plan to teach, and take classes as if that subject were their major. Students should work closely with UCC advisers and representatives of the intended transfer institution(s).

All prospective teachers are urged to take ED 100, which is a teaching practicum. This will help students verify that teaching is a good career choice for them. In addition, students are urged to choose the baccalaureate school program early, and then align coursework at UCC to work best with those requirements. UCC offers several education courses that will transfer into teacher licensure programs. Secondary Education students are urged to work closely with advisers both at UCC and the “target” school in planning classes at UCC. To research Teacher Education programs in Oregon by internet: go to www.ous.edu/programs/teached.

EDUCATION: Certificate
Paraeducator/Instructional Assistant

UCC offers a certificate program requiring a minimum of credits earned by successfully completing a set of prescribed courses. This certificate meets the highly qualified standards to become an instructional assistant in our public schools. For more information about the paraeducator certificate, go to the Career and Technical portion of this catalog under PARAEDUCATOR.

ENGINEERING
Engineering, Surveying & Geomatics, Pre-Engineering

Engineering: Associate of Science, with an Emphasis in Engineering

The UCC Engineering Transfer program prepares students for transfer to a bachelor’s degree program. The curriculum provides a broad base of lower-division engineering courses, a solid foundation in mathematics and the physical sciences, and core requirements in general education. The curriculum meets the requirements for admission to most of the engineering programs at Oregon State University (OSU), and satisfies the majority of lower division course requirements for transfer to the Oregon Institute of Technology (OIT), Portland State University (PSU), and other engineering bachelor’s degree programs.

Programs offered at OSU include Electrical and Computer Engineering, Civil Engineering, Construction Engineering Management, Environmental Engineering, Mechanical, Industrial and Manufacturing, and Chemical Engineering, as well as BioMedical, Forest, Geological, Mining, Metallurgical, and Nuclear Engineering. PSU and OIT offer programs in Civil, Mechanical, Electrical, and Computer Engineering.

Prospective students should see an engineering faculty adviser, or Counseling and Career Planning Services, to develop your educational plan. Specific courses required vary according to discipline and transfer school selected. Most core engineering courses at UCC are offered only once each academic year, and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university.

Suggested Transfer Guide for OSU, PSU and OIT

Term One – Fall
CH 221 General Chemistry 5
DRF 112 Computer Aided Drafting (CAD) I 3
ENGR 111 Engineering Orientation I 3
MTH 251 Calculus I 4
MTH 253 Calculus II 4
HPE 295 Fundamentals of Public Speaking 3

Term Two – Winter
CH 222 General Chemistry 5
DRF 112 Engineering Orientation II 3
MTH 252 Calculus II 4
WR 121 English Composition 3
WR 227 Technical Report Writing 3

Term Three – Spring
HPE 295 Wellness & Health Assessment 3
MTH 253 Calculus III 4
SP 111 Fundamentals of Public Speaking 3
MTH 261 Linear Algebra 2
MTH 254 Vector Calculus 4
PH 211 General Physics w/Calculus 5

Term Four – Fall
ENGR 201 Electrical Fundamentals 4
ENGR 211 Statics 4
MTH 254 Vector Calculus 4

Term Five – Winter
MTH 256 Differential Equations 4
PH 212 General Physics 5
PH 213 Engineering elective 3/4

Term Six – Spring
PH 213 General Physics 5
PH 214 Engineering elective 4
PH 215 Humanities/Social Sciences elective 3
PH 216 Humanities/Social Sciences elective 3
WR 227 Technical Report Writing 3
ENGINEERING, CONTINUED

General Education Requirements. See UCC Engineering Faculty Adviser or UCC Advising Services to review requirements for selected transfer university and AS requirements at UCC.

Engineering Electives. Choose from the following, based on the program requirements (see UCC Engineering Faculty Adviser)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Units</th>
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<tbody>
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<td>CH 241</td>
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<tr>
<td>CH 243</td>
<td>Organic Chemistry</td>
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<tr>
<td>DFR 112</td>
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<tr>
<td>DFR 113</td>
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<tr>
<td>DFR 114</td>
<td>Computer Aided Drafting - Civil 3D</td>
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<tr>
<td>DFR 134</td>
<td>GIS I</td>
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<tr>
<td>DFR 245</td>
<td>Engineering Graphics</td>
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<td>CIV 223</td>
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<td>CS 161</td>
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<td>ENGR 202</td>
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<td>ENGR 213</td>
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<tr>
<td>MTH 243</td>
<td>Introduction to Probability &amp; Statistics</td>
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<tr>
<td>SUR 161</td>
<td>Surveying I</td>
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</tr>
</tbody>
</table>

Following course substitutions will be made:

**Construction Engineering Major**
- BA 226 for CH 222
- ECON 202 for MTH 253 (Calculus III and MTH 261 Linear Algebra)
- SUR 161 for ENGR 201
- BA 211 for MTH 254
- BA 212 for MTH 256
- BA 232 for PH 213
- ENGR 213 for ENGR 212

**Civil Engineering Major - OIT**
- SUR 161 for Humanities/Social Science elective
- WR 122 for Humanities/Social Science elective

**Electrical and Computer Engineering Majors**
- CS 162 for CH 222

Suggested Transfer Guide for OIT

**Term One – Fall**
- DFR 112 Computer Aided Drafting (CAD) I 3
- ENGR 111 Orientation to Engineering I 3
- MTH 112 Elementary Functions 4
- WR 121 English Composition 3
- Humanities/Social Science elective 3

**Term Two – Winter**
- ENGR 112 Orientation to Engineering II 3
- DFR 113 CIV 113 CAD II 3
- DFR 134 GIS I 3
- MTH 251 Calculus I 4
- WR 122 English Composition 3

**Term Three – Spring**
- DFR 114 Computer Aided Drafting - Civil 3D 3
- SUR 161 Plane Surveying I 4
- MTH 252 Calculus II 4
- MTH 243 Probability and Statistics 4
- WR 227 Technical Report Writing 3

**Term Four – Fall**
- SUR 162 Plane Surveying II 5
- MTH 254 Vector Calculus 4
- PH 211 General Physics w/Calculus 5
- Science Elective 4

**Term Five – Winter**
- SUR 163 Route Surveying 5
- MTH 256 Differential Equations 4
- PH 212 General Physics w/Calculus 5
- Humanities/Social Science elective 3

**Term Six – Spring**
- SUR 242 Land Description and Cadastre 3
- MTH 253 Calculus III 4
- MTH 261 Linear Algebra 2
- PH 212 General Physics w/Calculus 5
- SP 111 Fundamentals of Public Speaking 3

**General Education Requirements.** See UCC Engineering Faculty Adviser or UCC Advising Services to review requirements for selected transfer university and AS requirements at UCC.

**ENGINEERING: Pre-Engineering and Certificates**

Students who are not prepared to begin Calculus in their first year of engineering transfer program should consider starting with the Certificate of Completion Program as an Engineering and Drafting Technician. The one-year program can serve as a pre-engineering program for students interested in future transfer. Approximately three years will be required to complete courses for transfer; however, the same completion time frame will be required for all students that are not prepared to begin Calculus in their first year.

A Drafting Pathways Certificate can also be acquired by completing 16 hours of drafting courses. The Pathways and Completion Certificate provide stand-alone, job-ready skills and provide expanded opportunities for summer internships.

**INDEX**

- www.umpqua.edu
ENGLISH

English majors are offered at UO, OSU, EOU, PSU, WOU, and SOU, and most other colleges and universities across the United States offer degrees in English. UCC offers coursework approved for transfer to these institutions. Students should work with their UCC faculty adviser about any special requirements of the college or university to which they will transfer.

Through reading, discussing, researching, and writing about literature, English majors develop skills that are prized in the professional world: the ability to communicate effectively; to research, analyze, and interpret complex information; to write clear, strong, reasonable arguments; to understand human behavior and the complex issues that surround diversity; to view situations from a variety of perspectives; and to creatively solve problems. Although English majors study nonfiction works such as letters, journals, autobiographies, and essays, they focus primarily on creative works such as poetry, short stories, plays, and novels.

While the most obvious careers for English majors include the fields of teaching, writing, and editing, the degree is remarkably versatile, opening doors into a variety of graduate programs, including law and library science. An English degree also opens doors into business management, public relations, publishing, journalism, advertising, sales, and many other fields.

Suggested Transfer Guide

English

Term One – Fall
BI 101 Biology 4
ENG 201 Shakespeare 3
ENG 204 Survey of English Literature 3
SPAN or FR World Language 4
WR 121 English Composition 3

Term Two – Winter
BI 102 Biology 4
ENG 202 Shakespeare 3
ENG 205 Survey of English Literature 3
SPAN or FR World Language 4
WR 122 English Composition 3

Term Three – Spring
BI 103 Biology 4
ENG 206 Survey of English Literature 3
HPE 295 Wellness & Health Assessment 3
SPAN or FR World Language 4
WR 123 English Composition 3

Term Four – Fall
ANTH 221 Cultural Anthropology 3
ENG 253 Survey of American Literature 3
HST 201 History of United States 3
MTH 105 or Introduction to Contemporary Mathematics OR
MTH 111 College Algebra 4
SPAN or FR World Language 4

Term Five – Winter
ANTH 222 Cultural Anthropology 3
ENG 254 Survey of American Literature 3
HST 202 History of United States 3
SP 105 or Listening OR
SP 111 or Fundamentals of Public Speaking OR
SP 112 or Persuasive Speech OR
SP 218 or Interpersonal Communication OR
SP 219 or Small Group Discussion OR 3
SPAN or FR World Language 4

Term Six – Spring
ENG 109 World Literature 3
HST 203 History of United States 3
SPAN or FR World Language 4
SOC 213 Race, Class & Ethnicity 3
Math or Science Elective 4

GEOLOGY

Majors in geology are offered at UO, OSU, PSU, and SOU. UCC offers coursework approved for transfer to these institutions. Students should consult with their UCC faculty adviser and a representative of the college or university to which they will transfer for any special requirements.

Earth Science programs provide a wide variety of employment opportunities, usually available after receiving a bachelor’s, master’s or doctoral degree. Employment in the mining and petroleum industries continues to expand rapidly, offering exciting opportunities for employment worldwide. Additional private industries hiring geologists include environmental remediation, engineering firms and geological consulting firms. Other strong areas of employment in the earth sciences include state and federal government agencies such as geologic surveys, oceanographic and space agencies, as well as state and national parks and monuments. Research and teaching institutions such as museums, colleges, and universities also employ a variety of earth science specialists. There is also a need for primary and secondary school educators with earth science backgrounds. Numerous non-traditional careers in earth sciences can be explored, including such areas as forensic science, science journalism, and environmental law.

Suggested Transfer Guide

Geology

Term One – Fall
CH 221 General Chemistry 5
G 201 General Geology 4
MTH 251 Calculus I 4
WR 121 *English Composition 3

Term Two – Winter
CH 222 General Chemistry 5
G 202 General Geology 4
MTH 252 Calculus II 4
WR 122 English Composition 3

Term Three – Spring
CH 223 General Chemistry 5
G 203 General Geology 4
MTH 253 Calculus III 4
WR 123 English Composition 3

Term Four – Fall
BI 211 Principles of Biology 5
HPE 295 Wellness & Health Assessment 3
PH 201 or 211 General Physics 5
Humanities/Arts & Letters 3
Social Science 3

Term Five – Winter
BI 212 Principles of Biology 5
PH 202 or 212 General Physics 5
Humanities/Arts & Letters 3
Social Science 3

Term Six – Spring
BI 213 Principles of Biology 5
PH 203 or 213 General Physics 5
Humanities/Arts & Letters 3
Social Science 3
HEALTH, HEALTH EDUCATION, HEALTH CARE ADMINISTRATION

 Majors in the health area are offered at UO, OSU, PSU and WOU.
 UO offers majors in community health, gerontology, traffic safety,
 school health, and comprehensive health. OSU offers majors in
 community health, environmental health, industrial hygiene, school
 health and safety, health care administration, and safety studies. PSU
 offers majors in health, health education, and community health.
 WOU offers a major in health education.

 Students planning to transfer should work closely with UCC faculty
 and advisers, and with representatives from the receiving college or
 university. There may be special requirements for specific programs
 or schools.

 HISTORY

 The history major is offered at public colleges and universities
 in Oregon, and at most private colleges in the state. UCC offers
coursework approved for transfer to these institutions. Careers
for students of history include work in teaching (high school,
college, and university), in museums, in editing and publishing, in
archives, in historic preservation, and in federal, state, and local
governmental agencies and organizations.

 Students planning to transfer in history should work closely with
UCC advisers and representatives from the school(s) to which
they may transfer. There may be special requirements for specific
programs or schools.

 Suggested Transfer Guide
 History

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<td>Interpersonal Communication OR</td>
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<td>World Religions</td>
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 HUMAN SERVICES

 Associate of Science Degree - Articulated with the Interdisciplinary
 Bachelor of Arts or Science in Social Science (Human Services Program)
at Southern Oregon University.

 The Associate of Science degree is based on a signed articulation
agreement with Southern Oregon University (SOU). It has been
developed in close cooperation with the College of Arts and Sciences
at SOU. The SOU departments of psychology and sociology/anthropology
offer an interdisciplinary bachelor’s degree program focusing on the
needs of human service professionals, a Bachelor of
Arts or Science in Social Science. The UCC Associate of Science (AS)
degree is fully articulated with SOU’s Human Service program and
allows students to transfer directly as juniors into the program at SOU
with no loss of credits to pursue a bachelor’s degree. Students should
contact the SOU Human Services program early in the first year of
the AS program to be advised about additional requirements and
procedures for admission to the school or program. Students should
be aware that if they transfer before completing this degree, their
courses will be evaluated individually toward the general education
requirements in effect at SOU.

 GRADUATION REQUIREMENTS:

 Students must complete a minimum of 90 term credits of lower
division collegiate courses with a minimum grade point of 2.0 and
a grade of C or better in Writing 121, Writing 122, and the Speech
class chosen to meet the Oral Communication requirement.

 Students who have graduated from high school or completed a high
school equivalency program in 1997 or after must have the following
requirement for admission to a four-year Oregon state college
or university: 1) Two years of the same high school-level second
language with grades of C or better, or 2) two terms of college-level
second language with grades of C or better (may be first-year second
language which can be used as elective credits). If students plan to
complete a Bachelor of Arts (BA) degree at a four-year school, they
must have a proficiency in a World Language regardless of when
they graduated from high school or equivalency program. (Students
interested in pursuing a Bachelors Degree related to Human Services
at other institutions should consider the AAOT. The AAOT can
facilitate completing lower division coursework before transferring
to complete their degree, although it may not satisfy all program
major requirements in the new setting. Students interested in the
AAOT should consult with UCC faculty and advisory staff as well as
their transfer college or university. More specific information
regarding the Family and Human Services Program at the U of O or
the Psychology degree at Northwest Christian University students can
contact the Human Services Program Coordinator).
REQUIRED CURRICULUM

Writing and Oral Communication Skills: Grade of C or better required

Required Credits: 9
WR 121 English Composition 3
WR 122 English Composition 3
or WR 123
SP 111 or Fundamentals of Public Speaking OR 3
SP 218 or Interpersonal Communication OR
SP 219 Small Group Discussion 3

Mathematics: Required Credits 8
MTH 105 or Introduction to Contemporary Mathematics OR 4
MTH 111 or College Algebra OR
MTH 212 Fundamentals of Elementary Math
and (must take both)
MTH 243 Introduction to Probability & Statistics 4

Humanities Exploration: Required Credits 9
Complete at least three Humanities courses from the SOU General Education Transfer Guide*.

Note: A Bachelor of Arts degree requires the equivalent of one year of study of a World Language at the second-year level or above.

Social Science Exploration: Required Credits 9
PSY 201, 202, 203 General Psychology (all three)

Science Exploration: Required Credits 11
Complete at least three Science courses from the SOU General Education Transfer Guide* at least two of the science courses must have labs.

* To view the SOU University Studies (General Education) courses, open the SOU General Education Transfer Guide link. Select Umpqua Community College from the drop-down menu and view courses that satisfy each category. Alternatively, you may follow these instructions:
Visit: www.sou.edu/admissions/transfer
Select: General Education Transfer Guide
Select: “Umpqua Community College” from the drop-down menu.
~ If you cannot access a computer, please see your academic adviser for assistance.~

Prerequisites/Program Requirements for Human Services: Required Credits 24
HS 100 Introduction to Human Services 3
HS 155 Counseling Skills *** 3
HS 226 Ethics and Law 3
HS 229 Crisis Intervention and Prevention** 3
HS 265 Counseling Services II *** 3
HS 267 Cultural Competence in Human Svcs 3
HDFS 201 Individual and Family Development**** 3
SOC 204 Introduction to Sociology 3

Electives: (May include HS classes) Required Credits: Up to 20
Complete a sufficient number of transfer-level (numbered 100 and above) courses to meet the total degree requirement of at least 90 credits. A maximum of 12 professional/technical course credits may be used toward this degree.

TOTAL PROGRAM CREDITS 90

Note: SOU Human Services Baccalaureate Graduation Requirements:
Minimum GPA of 2.5 is required for graduation and no grade below C- allowed in all upper division HS major coursework or lower division coursework directly applied to the Human Services degree requirements. This requirement applies to HS 155/229/265, HDFS 201, MTH 243, PSY 201/202/203, and SOC 204.

Suggested Transfer Guide

Term One – Fall
HS 100 Introduction to Human Services 3
PSY 201 General Psychology 3
SOC 204 Introduction to Sociology 3
SP 111 or Fundamentals of Public Speaking OR 3
SP 218 or Interpersonal Communication OR
SP 219 Small Group Discussion 3
WR 121 English Composition 3

Term Two – Winter
HS 155 Counseling Skills I 3
HS 229 Crisis Intervention and Prevention 3
HDFS 201 Individual & Family Development 3
PSY 202 General Psychology 3
WR 122 English Composition 3

Term Three – Spring
HS 226 Ethics and Law 3
HS 265 Counseling Skills II 3
HS 267 Cultural Competence in HS 3
MTH 105 or Introduction to Contemporary Mathematics OR 4
MTH 111 College Algebra 4
PSY 203 General Psychology 3

Term Four – Fall
Required Humanities* 3
Required Science* 4
Elective 3
Elective 3
Elective 3

Term Five – Winter
MTH 243 Introduction to Probability & Statistics 4
Required Humanities* 3
Required Science* 4
Elective 3
Elective 2

Term Six – Spring
Required Humanities* 3
Required Science* 3
Elective 3
Elective 3

TOTAL PROGRAM CREDITS 90

NOTES:
* See SOU General Education Transfer Guide
**HS 229 is accepted by SOU as an equivalent to PSY 475 Crisis Intervention Strategies; however, upper division credit for HS 229 is not given. In order for this equivalency to be valid, UCC transfer students must complete the Human Services Associate of Science Degree prior to transfer. Students receiving this equivalency must substitute an upper division psychology course for PSY 475 as suggested and approved by an adviser at SOU.

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HUMAN SERVICES, CONTINUED

***HS 155 and HS 265 are accepted by SOU as an equivalent to PSY 471 Introduction to Helping Skills; however, upper division credit for HS 165 and HS 265 is not given. In order for this equivalency to be valid, UCC transfer students must complete the Human Services Associate of Science Degree prior to transfer. Students receiving this equivalency must substitute an upper division psychology course for PSY 471 as suggested and approved by an adviser at SOU.

**** HDFS 201 is accepted as an equivalent to PSY 370 Lifespan Development; however, upper division credit for HDFS 201 is not given. Students who complete the Human Service Associate of Science Degree at UCC will not be required to take PSY 471 Introduction to Helping Skills or PSY 475 Crisis Intervention Strategies at SOU; however, substitute upper division level credits in psychology must be taken as suggested and approved by an adviser.

A maximum of 124 lower division credits can be transferred from a community college to SOU.

INTERNATIONAL STUDIES

International Studies includes such specialized areas as government service, education, humanitarian aid, international law, international business and peace studies. The student’s program choices should be relevant to his/her intended career. Suggested area courses available at UCC are listed below. It is highly encouraged that the International Studies major should include two full years of the language of your choice. Suggested language courses are French and Spanish 100 and 200 level sequences.

Additional program suggestions:
Students interested in government service, including working for the United Nations or the United States Department of State, should select courses from the group which includes Anthropology (ANTH) 221, 222, and 223, Political Science (PS) 201, 202 and 203, Sociological (SOC) 202, 203 and 204, and literature courses. Students interested in humanitarian aid should select science classes which will prepare them for either medical or agricultural work. Students interested in international business should consider courses such as BA 211, 212 and 213, and/or BA 223, along with additional mathematics and statistics courses. Students interested in international law should add Business Law, BA 226, to their curriculum. Students interested in education should take Anthropology, Political Science or Psychology courses. Students interested in peace studies should take Philosophy (PHL) 201, 202 and 203.

MATHEMATICS

Majors in mathematics are offered at all seven Oregon University System campuses and most independent colleges and universities. Umpqua Community College offers a program of study for students who plan to transfer to a 4-year institution to complete a bachelor’s degree in mathematics. Courses are also offered to help students prepare to teach mathematics at the elementary or high school level.

Students interested in transferring should consult with Umpqua Community College’s math faculty and college advisers for help in planning a transfer curriculum. In addition, students should work closely with a representative from the institution(s) to which they may transfer.

MEDICAL IMAGING TECHNOLOGY

The Umpqua Community College Medical Imaging transfer program prepares students for a Bachelor of Science Degree in Diagnostic Medical Sonography, Echocardiography, Nuclear Medicine Technology, Radiologic Science and Vascular Technology at Oregon Institute of Technology. Students transferring from Umpqua Community College to Oregon Institute of Technology’s will be given full credit for all articulated courses listed below.

Students must complete a minimum of 60 credits of upper-division work (300- and 400-level classes taken at a 4-year institution) before a degree will be awarded - a minimum of 45 of these credits must be taken at OIT.

Students may guarantee program requirements by obtaining written approval from their OIT major department and the Registrar, based on the catalog the student uses when he/she transfers to OIT.

REQUIRED CURRICULUM:

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td>MED 111</td>
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<td>Social Sciences Elective</td>
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<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
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<td>WR 121</td>
<td>English Composition</td>
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<tr>
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<td>3</td>
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<tr>
<td>MIT 103</td>
<td>Introduction to Medical Imaging</td>
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Mit 103 must be taken at OIT online or on campus. This is a requirement for admission into the OIT Medical Imaging Program.

*Only 3 humanities credits may be studio/performance based.

Please refer to the OIT Medical Imaging Website, www.oit.edu/mit, to view application procedures and curriculum requirements for students admitted to the professional programs. Some of these courses may be taken prior to admission into the program.

MEDICAL TECHNOLOGY

Medical Technology programs are available at Oregon Health Sciences University. For the OHSU program you may complete the first year at UCC, then transfer to any college or university providing pre-medical technology education. A three-year program is required prior to application for admission to the UO Medical School, which offers the fourth year.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.
MUSIC
Associate of Science Degree • Articulated with the School of Music at Southern Oregon University.

The Associate of Science degree (Music) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU’s Music program and allows students to transfer directly as juniors and to become admitted into the Music program at SOU with no loss of credits to pursue a baccalaureate degree. The program offers an excellent balance of music and general education courses that support advanced study in the field of music. Students should contact the SOU Music Department early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU. All students must pass a New Student Hearing before being accepted as a Music Major at SOU. The student’s applied level of study (MUP courses) will be set based on the audition.

GRADUATION REQUIREMENTS
Students must complete a minimum of 96 term credits of lower division collegiate courses with a minimum grade point of 2.0 and a grade of C or better.

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have the following requirement for admission to a four-year Oregon state college or university: 1) Two years of the same high school-level second language, or 2) two terms of college-level second language with a grade of C or better (may be first-year second language which can be used as elective credits). Note: If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a world language regardless of when they graduated from high school or equivalency program.

[Students interested in pursuing a baccalaureate degree related to Music at other institutions besides SOU should consider the Associate of Arts Oregon Transfer degree instead. The AAOT degree can facilitate a student completing their lower division coursework before transferring to complete their degree (although the AAOT may not satisfy all “program” requirements in the new setting). Interested students should consult with the Music Program Coordinator as well as Academic Advisers to maximize the Music Studies focus for their AAOT degree.)

REQUIRED CURRICULUM
Writing and Oral Communication Skills
(Grade of C or better required) Required Credits: 9
WR 121 English Composition 3
WR 122 or English Composition OR 3
WR 123 English Composition 3
SP 111 or Fundamentals of Public Speaking OR 3
SP 218 or Interpersonal Communication OR 3
SP 219 Small Group Discussion 3
Mathematics: Required Credits 4
Complete at least one Mathematics course from the SOU General Education Transfer Guide*. Note: The Bachelor of Science degree requires two courses (7 credits) of math or designated programming, statistics, or logic courses. The second course may be chosen from the following list at UCC as an elective, or completed later at SOU. Please see your academic adviser for details.

CS 161 or 162 Computer Science I or Computer Science II 5
MTH 105 Introduction to Contemporary Mathematics (does not include MTH 105T) 4
MTH 111 College Algebra 3
MTH 112 Elementary Functions 3
MTH 211 & 212 Fundamentals of Elementary Math (must take both) 6
MTH 241 Calculus for Mgmt & Social Science I 4
MTH 243 Introduction to Probability & Statistics 4
MTH 251 Calculus I 4
PHL 203 Introduction to Philosophy 3

Humanities Exploration: Required Credits 9
Complete at least three Humanities courses from the SOU General Education Transfer Guide* 9
Social Science Exploration: Required Credits 3
HPE 295 Wellness & Health Assessment 3
Plus at least two additional Social Science courses from the General Education Transfer Guide * 11
Science Exploration: Required Credits 11
Complete at least three Science courses from the SOU General Education Transfer Guide* 11
At least two of the science courses must have labs.

* Use the SOU General Education Transfer Guide to identify courses that satisfy the categories listed above.

Select Umpqua Community College from the drop-down menu. Then view courses listed under each category. If you are using a paper copy of this guide, or if the link does not work, follow these steps to see the courses:
Visit: www.sou.edu/admissions/transfer
Select: General Education Transfer Guides
Select: “Umpqua Community College” from the drop-down menu

Music Requirements Total Required Credits: 54
A. Complete all the following: Credits: 30
MUS 111, 112, 113 Music Theory I 3,3,3
MUS 211, 212, 213 Music Theory II 3,3,3
MUS 114, 115, 116 Aural Skills I 1,1,1
MUS 224, 225, 226 Aural Skills II 1,1,1
MUP 101-292 Performance Studies 6
B. Demonstrated Piano Proficiency Credits: 12
MUS 131, 132, 133 Class Piano 2,2,2**
MUS 214, 215, 216 Intermediate Piano 2,2,2**

**Note: MUP 101-292 can be substituted for “piano” credits if student demonstrates proficiency

C. 6 credits from below: Credits: 6
MUS 201 Introduction to Music and Its Literature 3
MUS 202 Introduction to Music and Its Literature 3
MUS 203 Introduction to Music and Its Literature 3

***Note: Third course can be used for Humanities Exploration Credit

D. Selected MUP/MUS courses - Credits from below: 6
MUP 196 A/B/C Chamber Orchestra*** 1,1,1
MUP 197 A/B/C Concert Choir *** 1,1,1
MUP 295 A/B/C Jazz Band*** 1,1,1
MUP 189 A/B/C Chamber Choir - Vocal Jazz *** 2,2,2
MUS 134, 135, 136 Class Voice *** 2,2,2
MUS 137, 138, 139 Beginning Class Guitar*** 2,2,2
MUS 101-292 Performance Studies** 3
MUS 111 Music Theory I 3
MUS 114 Aural Skills I 1
MUS 131 Class Piano** 2
MUS 201 Introduction to Music and Its Literature 3
WR 121 English Composition 3
Required Humanities* 3

** Term Two – Winter
MUS 101-292 Individual Lessons 1
MUS 112 Music Theory I 3
MUS 115 Aural Skills I 1
MUS 132 Class Piano 2
MUS 202 Introduction to Music and Its Literature 3
WR 122 English Composition 3
Required Humanities* 3

* Term Three – Spring
Required Mathematics* 4
MUS 101-292 Individual Lessons 1
MUS 121-222 Ensembles 2
MUS 113 Music Theory I 3
MUS 116 Aural Skills I 1
MUS 133 Class Piano 2
Selected MUP/MUS credits*** 2
Required Humanities* 3

** Term Four – Fall
MUS 101-292 Individual Lessons 1
MUS 211 Music Theory I 3
MUS 214 Intermediate Piano 2
MUS 224 Aural Skills II 1
HPE 295 Wellness & Health Assessment 3
Selected MUP/MUS credits*** 2
Required Science 4

* Term Five – Winter
MUS 212 Music Theory II 3
MUS 215 Intermediate Piano 2
MUS 225 Aural Skills II 1
SP 111 or Fundamentals of Public Speaking OR Interpersonal Communication OR Small Group Discussion 3
Required Social Science 3
Required Science 4
### MUSIC: ENTERTAINMENT TECHNOLOGY

Entertainment Technology prepares graduates for careers in the entertainment industry as lighting and sound technicians, recording engineers, theater and auditorium managers, talent agents, and equipment marketing representatives. Additional career options include film, radio, and television production, casino and theme park operations, music publishing, and all related performing arts production and management.

The program can be easily integrated with AAOT requirements, and details are available at the UCC Music Department, Advising Center, and http://www.umpqua.edu/a-z-index/64-music-transfer. Students planning to transfer in entertainment technology should work closely with UCC faculty and advisers and representatives from the school(s) to which they may transfer.

Suggested Transfer Guide
Music: Entertainment Technology

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<tr>
<th>Term Three – Spring</th>
<th>Term One – Fall</th>
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<tbody>
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<td>Music Theory I</td>
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<td>MUS 116</td>
<td>Aural Skills I</td>
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<td>MUS 203</td>
<td>Introduction to Music and Its Literature</td>
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<td>WR 123</td>
<td>English Composition</td>
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<td>MUP 101-292</td>
<td>Individual Lessons</td>
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<td>MUP 121-222</td>
<td>Ensembles</td>
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<td>MUS 133</td>
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<td>Introduction to Contemporary Mathematics OR</td>
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<td>Persuasive Speech OR</td>
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<td>MUS 280</td>
<td>Cooperative Work Experience:</td>
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</tbody>
</table>
OUTDOOR RECREATION

This Outdoor Recreation program is designed to prepare students for careers in the growing fields of outdoor adventure, outdoor programming, outdoor and experiential education and the application of outdoor recreation.

Douglas County is a perfectly suited environment for this type of program. After completing the two-year degree requirements, students are encouraged to continue their education at either: Oregon State University Cascades (Bend) Campus, University of Idaho in Moscow, Eastern Washington University in Cheney, or Northern Arizona University in Flagstaff.

There are many career opportunities for outdoor recreation majors, including: tourism and leisure services (hostels, hotels, restaurants, resorts, guiding), municipal recreation (city and school-based recreation programs); therapeutic recreation for special populations; and outdoor and adventure occupations.

Suggested Transfer Guide
Outdoor Recreation

Term One – Fall

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tr>
<td>WR 121</td>
<td>English Composition</td>
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<tr>
<td>BA 223</td>
<td>Principles of Marketing</td>
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<td>GS 107</td>
<td>Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PE 110 - 294</td>
<td>Activity Courses</td>
<td>3</td>
</tr>
<tr>
<td>PE 292</td>
<td>**Water Safety Instructor</td>
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<tr>
<td>WR 123</td>
<td>English Composition</td>
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Term Two – Winter

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANTH 222</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>PE 110 - 294</td>
<td>Activity Courses</td>
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</tr>
<tr>
<td>PE 291</td>
<td>***Lifeguard Training</td>
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<td>WR 123</td>
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Term Three – Spring

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tr>
<td>ANTH 223</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PE 110-294</td>
<td>Activity Courses</td>
<td>3</td>
</tr>
<tr>
<td>PE 292</td>
<td>**Water Safety Instructor</td>
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Term Four – Fall

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<tr>
<td>BA 226</td>
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<tr>
<td>GS 104</td>
<td>Physical Science</td>
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</tr>
<tr>
<td>MTH 105</td>
<td>Introduction to Mathematics</td>
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<tr>
<td>SOC 213</td>
<td>Race, Class &amp; Ethnicity</td>
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<tr>
<td>PE 110 - 294</td>
<td>Activity Courses</td>
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<td>PE 292</td>
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Term Five – Winter

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<tr>
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<tr>
<td>GS 105</td>
<td>Physical Science</td>
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<tr>
<td>PE 110 - 294</td>
<td>Activity Courses</td>
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<td>PE 291</td>
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Term Six – Spring

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<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
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<tr>
<td>PE 110-294</td>
<td>Activity Courses</td>
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</tr>
<tr>
<td>WR 123</td>
<td>English Composition</td>
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</tbody>
</table>

**Optional - pick 5/year
***Required

Refer to http://www.ous.edu/stucoun/prospstu/admissions.php

PHILOSOPHY

 Majors in Philosophy are offered at UO, OSU, and PSU. UCC offers coursework approved for transfer to these institutions.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.
PHYSICS
The Physics major is available at UO, OSU, PSU, EOU, WOU and SOU. Programs of study offered at UCC are approved for transfer to these institutions.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools. Well-prepared entering students may take the following courses and then transfer upon completion of the first year.

Suggested Transfer Guide
Physics

Term One – Fall
CH 221 General Chemistry 5
MTH 251 Calculus I 4
PH 211 General Physics w/calculus 5
WR 121 English Composition 3

Term Two – Winter
CH 222 General Chemistry 5
MTH 252 Calculus II 4
PH 212 General Physics w/calculus 5
WR 122 English Composition 3

Term Three – Spring
CH 223 General Chemistry 5
MTH 253 Calculus III 4
PH 213 General Physics w/calculus 5
WR 123 English Composition 3

POLITICAL SCIENCE
Political Science major programs are offered at UO, OSU, PSU, WOU, and SOU. Transfer programs at UCC are approved to meet lower division requirements at these institutions.

A bachelor’s degree and advanced degrees in political science can lead to careers in federal, state, or local government. The analytical and communications skills gained in the study of political science also lead many political science majors to pursue law degrees, careers in business, political party staffing and campaigning, journalism, and management.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

PRE-LAW
Most law schools (including UO) require a bachelor’s degree as a prerequisite for admission. They are not concerned about the applicant’s major, but wish to see evidence of intellectual maturation. Therefore, most require that no more than ten percent of the applicant’s pre-legal education consist of “activity” courses of a “non-theoretical” nature. Keen analytical capabilities and well-developed writing skills are emphasized. Courses such as PS 201 and 202 relating to U.S. Government institutions, including courts and the law, can help the student to comprehend the role of law in American society and can provide the student with an opportunity to analyze real-life court decisions.

In selecting a pre-law major, students should consider the area to be selected for law practice: government, business and corporate, sciences, criminal justice, publishing, domestic relations, etc. Admission to law schools is based on academic achievement, employment experience, extra-curricular activities, and performance on the Law School Admission Test (LSAT).

Students should follow the transfer curriculum for the field of study and college or university in which they plan to complete the baccalaureate degree. After transfer, consult with the institution’s pre-law adviser to plan upper division coursework.

PRE-PROFESSIONAL HEALTH CARE
Pre-Professional: Dentistry, Medical Technology, Medicine, Optometry, Pharmacy, Physical Therapy, Veterinary Medicine

Each course of study is designed to allow students to complete the first two years of a four-year pre-professional program at UCC. The students will then complete the remaining pre-professional prerequisites at a four-year college or university. The majority of students apply to the professional schools after earning a Bachelor’s degree. The course work completed at UCC is applied towards a Bachelor’s degree in a related field.

The first two years of course work includes prerequisites in mathematics, the sciences (such as chemistry and physics), the humanities and social sciences. Admission to most professional schools is highly competitive, and there are only a few such programs available within the state of Oregon. Students completing one of these professional programs can expect to earn an excellent salary. Employment in these fields is expected to grow at faster rates than the average of other occupations.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools. Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Suggested Transfer Guide

Term One – Fall
BI 211 Principles of Biology 5
CH 221 General Chemistry 5
MTH (by placement) Mathematics 4
WR 121 English Composition 3

Term Two – Winter
BI 212 Principles of Biology 5
CH 222 General Chemistry 5
MTH Mathematics 4
WR 122 English Composition 3

Term Three – Spring
BI 213 Principles of Biology 5
CH 223 General Chemistry 5
MTH Mathematics 4
WR 123 English Composition 3

Term Four – Fall
CH 241 Organic Chemistry 4
HPE 295 Wellness & Health Assessment 3
PH 201 General Physics 5
Humanities/Arts & Letters OR Social Science Elective 3

Term Five – Winter
CH 242 Organic Chemistry 4
PH 202 General Physics 5
SP 111 or Fundamentals of Public Speaking OR 3
SP 219 Small Group Discussion 3
PSY 202 General Psychology 3

Term Six – Spring
CH 243 Organic Chemistry 4
PH 203 General Physics 5
PSY 203 General Psychology 3
Humanities/Arts & Letters OR Social Science Elective 3
PRE-PROFESSIONAL HEALTH CARE: Pre-Dentistry
Admission to professional schools of dentistry is competitive with limited placement. A dental school requires a minimum of two full academic years prior to admission. Students beginning a pre-dentistry program at a community college should plan to transfer to an accredited four-year institution at least one year prior to anticipated enrollment at the School of Dentistry and complete the pre-dental requirements.

PRE-PROFESSIONAL HEALTH CARE: Pre-Medicine
Pre-medicine programs are offered at most four-year colleges and universities in Oregon. Students may take two years at UCC, then complete two additional years at four-year institutions offering the complete pre-medicine program. Students should consult their UCC adviser for any special requirements of the college or university to which they will transfer. To avoid scheduling conflicts, it is recommended that the Principles of Biology sequence (BI 211, 212, 213) and the General Chemistry sequence (CH 221, 222, 223) be taken in the first year, and that the Physics sequence (either PH 201, 202, 203 or PH 211, 212, 213) and/or the Organic Chemistry sequence (CH 241, 242, 243) be taken in the second year.

PRE-PROFESSIONAL HEALTH CARE: Pre-Optometry
The only professional School of Optometry in Oregon is located at Pacific University in Forest Grove. UCC offers a program which is approved for transfer to Pacific in the junior year of the pre-professional program, after which admission to the professional program is on a competitive basis.

The majority of candidates accepted for the professional program already have earned bachelor’s degrees. Therefore, a second option is transfer to UO or OSU for two years and completion of a baccalaureate degree prior to application to Pacific University.

PRE-PROFESSIONAL HEALTH CARE: Pre-Pharmacy
OSU is the only institution in Oregon offering a professional pharmacy degree. Approximately three years of pre-pharmacy study (at the undergraduate level) is required prior to entering the four-year Doctor of Pharmacy (Pharm.D.) program. Two of these three years can be completed at UCC.

PRE-PROFESSIONAL HEALTH CARE: Pre-Physical Therapy
Students pursuing a degree in Physical Therapy must first complete a two-year pre-professional program, which may be taken at UCC. After completion of this program, students may apply for admission to schools of physical therapy. However, admission is highly competitive, and most students transfer either to an Oregon four-year college or to Pacific University for two additional years of pre-therapy training in order to be competitive. Clinical training facilities are not available at Oregon public colleges and universities. Following pre-therapy education, you must apply at Pacific University or at an out-of-state school. Students considering out-of-state schools should consult with UCC advisers about regional programs. “WICHE” and “WUE” feature tuition assistance for Oregon students.

PRE-PROFESSIONAL HEALTH CARE: Pre-Veterinary Medicine
Oregon has established a college of veterinary medicine at OSU and has an agreement with the College of Veterinary Medicine at Washington State University and the University of Idaho for a cooperative program in veterinary medical education leading to the Doctor of Veterinary Medicine. Be advised that admission to professional schools of veterinary medicine is very competitive.

It is recommended that students pursue an academic major in science or animal science in conjunction with meeting pre-veterinary requirements.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Psychology majors should complete the general psychology sequence by taking one course in each term of their first year.

PSYCHOLOGY
Psychology majors are available at UO, OSU, PSU, EOU, WOU and SOU. UCC provides a transfer program for psychology which has been approved by these institutions.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

PUBLIC ADMINISTRATION
Students interested in public administration may pursue degree programs in Planning, Public Policy and Management offered in the School of Architecture and Allied Arts at UO, or at WOU. UCC offers coursework approved for transfer to these institutions.

Career possibilities for public administration graduates include jobs with municipalities and counties in planning and administration, in policy development and budget analysis with state and federal agencies, and with numerous other public agencies needing upper level administration and advisement.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Suggested Transfer Guide

<table>
<thead>
<tr>
<th>Term One – Fall</th>
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<tbody>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment 3</td>
</tr>
<tr>
<td>PS 201</td>
<td>United States Government 3</td>
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<tr>
<td>SOC 204</td>
<td>Introduction to Sociology 3</td>
</tr>
<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking 3</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition 3</td>
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<table>
<thead>
<tr>
<th>Term Two – Winter</th>
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<tbody>
<tr>
<td>MTH</td>
<td>at least one course with MTH 095 as a prerequisite 4</td>
</tr>
<tr>
<td>PS 202</td>
<td>United States Government 3</td>
</tr>
<tr>
<td>SOC 205</td>
<td>Institutions and Social Change 3</td>
</tr>
<tr>
<td>SP 218</td>
<td>Interpersonal Communication 3</td>
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<tr>
<td>WR 122</td>
<td>English Composition 3</td>
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</table>

<table>
<thead>
<tr>
<th>Term Three– Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 203</td>
<td>United States Government 3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Social Problems and Issues 3</td>
</tr>
<tr>
<td>SP 219</td>
<td>Small Group Discussion 3</td>
</tr>
<tr>
<td>WR 123</td>
<td>English Composition OR 3</td>
</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing 3</td>
</tr>
</tbody>
</table>

Lab Science 4
Sociology/Social Work

A Bachelor’s degree in Sociology is offered at UO, OSU, PSU, EOU, and SOU. UCC provides a transfer program for sociology which has been approved by these institutions.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Theatre Arts

The UCC Fine and Performing Arts Department offers a comprehensive two-year course of study with an emphasis in acting, design, and theatrical production. It is approved for transfer to U of O, OSU, SOU, WOU, and to liberal arts and education programs at most four-year colleges and universities.

The coursework in Theatre Studies at UCC includes two years of acting, a general introduction to theatre studies, scenic design, lighting design, stage make-up, rehearsal and performance, and technical production laboratory. The department produces four to six major play productions each year, including the Oregon Musical Theatre Festival each summer on the UCC campus. Students gain extensive experience with all aspects of theatrical production by performing and crewing departmental productions. Additional classes are offered in American Film history, video production and aesthetics. A complete list of recommended courses and detailed planner are available through the Advising Office, or electronically at http://www.umpqua.edu/degree-programs/83. Students planning to transfer in theatre studies should work closely with UCC advisers and representatives from the school(s) to which they may transfer.

Suggested Transfer Guide

Term One – Fall

<table>
<thead>
<tr>
<th>Course</th>
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<td>WR 121</td>
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<tr>
<td>Social Science Elective</td>
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Term Two – Winter

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<th>Course</th>
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<td>MTH 105 or</td>
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<td>MTH 111</td>
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<td>TA 142</td>
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<td>TA 265</td>
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<td>WR 122</td>
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Term Three – Spring

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<td>ENG 105</td>
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<td>MTH 105 or</td>
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<td>MTH 111</td>
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<td>TA 143</td>
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<td>TA 213</td>
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</tr>
<tr>
<td>WR 123</td>
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</table>

* Only 3 humanities credits may be studio/performance based.

Please refer to the OIT Respiratory Care Website, www.oit.edu/rcc, to view application procedures and curriculum requirements for students admitted to the professional programs. Some of these courses may be taken prior to admission into the program. Students are strongly advised to complete all the general education courses in the freshman year curriculum before applying to the professional program.
THEATRE ARTS, CONTINUED

Term Four – Fall

ENG 201 Shakespeare 3
TA 227 Stage Makeup 3
TA 241 Intermediate Acting 3
Social Science Elective 3
Science Elective 4
Music/Art Elective 1-3

Term Five – Winter

TA 253 Rehearsal & Performance 1-4
TA 242 Intermediate Acting 3
ENG 202 Shakespeare 3
Math/Science Elective 3
Science Elective 4
Music/Art Elective 1-3

Term Six – Spring

TA211 Introduction to Set Design 3
TA 243 Intermediate Acting 3
TA 253 Rehearsal & Performance 1-4
ENG 203 Shakespeare 3
Science Elective 4
Music/Art Elective 1-3

WORLD LANGUAGES

World languages introduce students to the larger global community and allow them to communicate effectively in the larger arena by mastering the four major language skills: listening, speaking, reading, and writing. The study of a World Language strengthens and reinforces critical thinking and fosters patience and perseverance — valuable skills in today’s workplace.

Students studying world languages enhance their career possibilities, often combining World Languages with other career fields such as Business, International Relations, Journalism, Law, Medicine, and Tourism. In today’s global market, “bilingual” on a resume page is a ticket to a brilliant future!

Majors in a World Language are offered at UO, OSU, PSU, SOU, EOU, and WOU. UCC offers coursework approved for transfer to these institutions. The UCC World Language Department offers students the opportunity to study abroad through an immersion experience.

Students planning to transfer should work closely with UCC faculty and advisers, and with representatives from the receiving college or university. There may be special requirements for specific programs or schools.

Suggested Transfer Guide

Term One – Fall

ART 204 History of Western Art 3
BI 101 Biology 4
SPAN or FR World Language 4
WR 121 English Composition 3

Term Two – Winter

ART 205 History of Western Art 3
SPAN or FR World Language 4
BI 102 Biology 4
WR 122 English Composition 3

Term Three – Spring

ANTH 223 Cultural Anthropology 3
BI 103 Biology 4
HPE 295 Wellness & Health Assessment 3
SPAN or FR World Language 4

Term Four – Fall

ENG 107 World Literature 3
HST 104 World History 3
MTH 105 Introduction to Contemporary Mathematics 4
SPAN or FR World Language 4

Term Five – Winter

ENG 108 World Literature 3
HST 105 World History 3
MTH 111 College Algebra 4
SP 105 or Listening OR
SP 111 or Fundamentals of Public Speaking OR
SP 218 Interpersonal Communication 3
SPAN or FR World Language 4

Term Six – Spring

ENG109 World Literature 3
HST 106 World History 3
MTH 112 Elementary Functions 4
SOC 213 Race, Class & Ethnicity 3
SPAN or FR World Language 4
You could be on your way to a rewarding career in less than a year!

Umpqua Community College offers coursework for a variety of careers

1. Career and technical programs provide instruction in the knowledge and skills in a wide variety of occupations that demand education beyond high school. Students prepare for employment by completing a two-year associate degree in applied sciences or by completing shorter term certificate programs. In many fields, career and technical education may enhance employment opportunities by providing students with industry certifications desired by employers.

2. While career-technical programs are designed primarily to prepare you for immediate employment, many also offer opportunities for transfer to another college or university. You are encouraged to speak with an adviser about these possibilities.

3. **GET STARTED NOW!**
# Career and Technical Areas

## Program and Certificates

<table>
<thead>
<tr>
<th>Program</th>
<th>Certificate</th>
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<td>Apprenticeship Training</td>
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<td>Limited Electrician Apprenticeship Technologies</td>
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<td>Electrician Apprenticeship Technologies</td>
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<td>Industrial Mechanics and Maintenance Technology Apprenticeship</td>
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<td>Entrepreneurship</td>
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<tr>
<td>Financial Services</td>
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<td>WAF Retail Management</td>
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<td>Supervision</td>
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<td>Accounting Technology</td>
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<tr>
<td>Public Relations Communication Assistant</td>
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<td>Public Relations Specialist</td>
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<td>Construction Technology</td>
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<td>Criminal Justice</td>
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<td>Police Reserve Academy</td>
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<td>Juvenile Corrections</td>
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<td>Infant/Toddler Level 1</td>
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<td>Paraeducator (Instructional Assistant)</td>
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<td>Employment Skills Training</td>
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<tr>
<td>Drafting Technician</td>
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<td>Engineering &amp; Drafting Technology</td>
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<td>Civil Engineering and Surveying Technology</td>
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<tr>
<td>Fire Science</td>
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<td>Fitness Technician</td>
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<td>Green Technology</td>
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<td>Health Informatics</td>
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<td>Human Services</td>
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<tr>
<td>Juvenile Corrections</td>
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<td>89</td>
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<tr>
<td>Legal Assistant/Paralegal Studies</td>
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<td>101</td>
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<tr>
<td>Registered Nursing (Pre)</td>
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<td>Registered Nursing</td>
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<td>Registered Nursing: First Year</td>
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<td>Registered Nursing: Second Year</td>
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<td>Registered Nursing: College Transfer</td>
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<tr>
<td>Practical Nursing</td>
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<td>Occupational Skills Training</td>
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<tr>
<td>Office Technology</td>
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<td>Microsoft Office Technologist</td>
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<tr>
<td>Office Assistant</td>
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<tr>
<td>Clinical Medical Assistant</td>
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<td>Medical Billing and Collections Clerk</td>
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<tr>
<td>Administrative Assistant</td>
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<td>106,107</td>
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<td>Administrative Assistant — Medical Option</td>
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<td>106,108</td>
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<td>Trucking and Transportation Logistics</td>
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<td>108</td>
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<td>Visual Communications</td>
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<tr>
<td>Visual Communications Assistant</td>
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<tr>
<td>Visual Communications Pre-Press Technician</td>
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<td>109</td>
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<tr>
<td>Viticulture and Enology</td>
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<tr>
<td>Wine Marketing Assistant</td>
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<tr>
<td>Viticulture</td>
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<td>Welding</td>
<td></td>
<td>110</td>
</tr>
</tbody>
</table>

[74] www.umpqua.edu
career & technical certificates and degrees

CERTIFICATES OF COMPLETION

Certificates of completion are awarded for occupational content only. They must be state approved, have a defined job entry point, represent collegiate level work, and meet State Board of Education criteria. Certificates of completion programs must be comprised of 12 to 108 credits.

A cumulative grade point of 2.00 minimum and attendance at UCC are required. Satisfactory completion of a course or series of courses may be recognized by the award of a certificate of completion. Specific awards are dependent upon the nature of the program.

Related Instruction requirement for one-year certificate programs (45 or more credits) are as follows:

A. Complete a recognizable core of general education courses, including:
   1. Satisfactory placement scores in mathematics, and/or writing, which meet or exceed the competencies established for each individual program by the program’s Advisory Board.
   2. Required learning outcome competency may be provided by:
      a. Embedded Learning
      b. Completion of required specified content area class(es)
      c. Competency Testing
   B. Three (3) credit hours of Mathematics numbered 52 or above or demonstrated competency
   C. Three credits of mathematics numbered 52 or above.
   D. Human Relations Component

ASSOCIATE OF APPLIED SCIENCE

The Associate of Applied Science (AAS) degree is intended to prepare graduates for direct entry into the workforce. The AAS degree may also help to prepare students for career advancement, occupational licensure, or study at the baccalaureate level. As a minimum, the AAS must include 90 quarter credits or equivalent proficiency; a recognizable core of or demonstrated competencies in specific general education courses; and an established standard of academic achievement. Curricula focuses on the application of knowledge and skills related to the occupations and careers identified by the program. Electives may include a combination of lower division collegiate transfer and/or collegiate-level career and technical education courses.

General requirements for the Associate of Applied Science are:

The Associate of Applied Science degree will be conferred on students who complete a two-year program in Career-Technical Education.

The Related Instruction component is also required for AAS degree (see above information under Certificates of Completion).

The Associate of Applied Science Degree will be awarded to students who:

1. Satisfactorily complete all required courses in a specified occupational curriculum.
2. Complete a minimum of 90 credit hours or equivalent proficiency.

3. Maintain a cumulative grade point average of 2.00.
4. Complete a recognizable core of general education courses, including:
   A. Demonstrated competency in mathematics and/or writing which meets or exceeds the competencies established for each individual program by the program’s Advisory Board.
   Required learning outcome competency may be provided by:
      a. Embedded Learning
      b. Successful completion of required specified content area class(es)
      c. Competency Testing
   B. Three (3) credit hours of Mathematics numbered 52 or above or demonstrated competency.
   C. Three (3) credit hours in WR 115 English Composition or above or demonstrated competency.
   D. Three (3) credit hours of Human Relations as specified by program.
5. Attend Umpqua Community College for at least two terms, including the term prior to completion.
6. Complete a minimum of 24 credit hours at UCC, 15 of which must be in a career and technical discipline (see page 43-44 for a list of approved courses). A maximum of 24 credits of CWE will count towards the Associate of Applied Science Degree.

CWE - Elective credits: Thirteen credits count for the AAS Degree.

HUMAN RELATIONS COURSES

Human Relations includes:

1. The ways people interact with each other, either individually or in groups;
2. Basic communication skills such as speaking, listening, and writing; and
3. Interpersonal and intercultural sensitivity.

These courses satisfy the “related instruction” requirement.

Approved Human Relations Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRS 110</td>
<td>Foundations of Nursing-Health Promotion (9)</td>
</tr>
<tr>
<td>NRS 111</td>
<td>Foundations of Nursing-Chronic Illness I (6)</td>
</tr>
<tr>
<td>NRS 112</td>
<td>Foundations of Nursing-Acute Illness I (6)</td>
</tr>
<tr>
<td>PN 101</td>
<td>Foundations of Practical Nursing (9)</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations (3)</td>
</tr>
<tr>
<td>SDP 112</td>
<td>Communicating Effectively in the Workplace (3)</td>
</tr>
<tr>
<td>SDP 113</td>
<td>Human Relations/Supervisors (3)</td>
</tr>
<tr>
<td>SP 105</td>
<td>Listening (3)</td>
</tr>
<tr>
<td>SP 218</td>
<td>Interpersonal Communication (3)</td>
</tr>
<tr>
<td>SP 219</td>
<td>Small Group Discussion (3)</td>
</tr>
</tbody>
</table>
**APPRENTICESHIP TRAINING**

State and federal laws determine entry requirements. General minimum requirements for entrance are:

- 18 years of age
- High school graduation preferred; GED accepted
- One year of high school math with a passing grade of C or better
- Acceptance after interview by the local Joint Apprenticeship Training Committee (JATC)

Candidate selection varies by occupation. Normally, there are two ways to enter a program. Either enter the program while employed by a company, or apply when the trade opens for application.

Opportunities statewide and more information about apprenticeship can be obtained at the Oregon Bureau of Labor and Industries Apprenticeship Training Division (BOLI-ATD) website [www.oregon.gov/boli/atd/](http://www.oregon.gov/boli/atd/).

Related training at UCC is currently available for the trades of:

- Inside Electrician
- Manufacturing Plant Electrician
- Limited Maintenance Electrician
- Industrial Maintenance Millwright
- Industrial Machinist
- Industrial Pipe-fitter

The apprenticeship program is two-fold. Apprentices gain experience working in a chosen field and also attend classes. Local JATCs of both labor and management work with the college to implement the apprenticeship programs.

Upon being selected as an apprentice, a contractual agreement is secured between the JATC, the employer, and BOLI-ATD. The apprentice, as an employee, earns wages while receiving on-the-job training and related training in class. Every six months progress is reviewed and evaluated.

An apprentice may also earn a Certificate of Completion and an Associate of Applied Science degree by successfully completing the required credit hours with a grade of C or better in all courses. Additional information can be obtained from the Apprenticeship Coordinator at 541-440-4675.

The apprenticeship model provides statewide transfer opportunities, ladder-type Certificates of Completion, Associate of Applied Science degrees and an optional transfer path into a Bachelor of Science degree in Operations Management at Oregon Institute of Technology.

The Certificates and AAS degrees are based on BOLI-ATD and local JATC trade-specific standards. The certificates and AAS degrees provide additional access to related training courses across the state for registered apprentices and aligned program outcomes, assessments, and courses. They are restricted to BOLI-ATD registered apprentices and not available to the general student population. Therefore, they are closed enrollment.

**Certificate**

**Limited Electrician Apprenticeship Technologies**

The Certificate of Completion in Limited Electrician Apprenticeship Technologies is a credential in Oregon Community College Electrician Apprenticeship and is available only to BOLI-ATD registered apprentices and not available to the general student population. Therefore, it is a closed enrollment program. The following 4000-hour BOLI-ATD registered apprenticeship and Oregon Building Codes licensed trade is offered:

- Limited Maintenance Electrician

*Course requirements vary slightly based on specific electrical trade.*

**Required Curriculum**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>APR 151</td>
<td>Basic Electronics and Electricity</td>
<td>4</td>
</tr>
<tr>
<td>APR 153</td>
<td>Electrical Applications and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>APR 157</td>
<td>Introduction to the NEC</td>
<td>2</td>
</tr>
<tr>
<td>APR 159</td>
<td>Electrical Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>APR 165</td>
<td>AC Electronics and Electricity</td>
<td>4</td>
</tr>
<tr>
<td>APR 167</td>
<td>Electric Motors and Transformers</td>
<td>3</td>
</tr>
<tr>
<td>APR 169</td>
<td>Electrical Code Study 2</td>
<td>2</td>
</tr>
<tr>
<td>APR 253</td>
<td>Electrical Code Study 3</td>
<td>2</td>
</tr>
<tr>
<td>APR 255</td>
<td>Motor Controls 1</td>
<td>2</td>
</tr>
<tr>
<td>APR 263</td>
<td>Communications, Alarms and Controls</td>
<td>2</td>
</tr>
<tr>
<td>APR 265</td>
<td>Motor Controls 2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Certificate**

**Electrician Apprenticeship Technologies**

The Certificate of Completion in Electrician Apprenticeship Technologies is a credential in Oregon Community College Electrician Apprenticeship and is available only to BOLI-ATD registered apprentices and not available to the general student population. Therefore, it is a closed enrollment program. The following 8000-hour BOLI-ATD registered apprenticeship and Oregon Building Codes licensed trades are offered:

- Inside Electrician
- Manufacturing Plant Electrician

Enrollment into this closed-enrollment program requires sponsorship by an approved training agent (employer) and successful completion of MTH 052 or MTH 060 with a grade of C or better, or equivalent placement scores. CPR/First Aid certification is also required for entry. Additional information can be obtained from the Apprenticeship Coordinator at 541-440-4675.

**Required Curriculum**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>APR 140</td>
<td>Beginning Welding for Apprentices</td>
<td>1</td>
</tr>
<tr>
<td>APR 151</td>
<td>Basic Electronics and Electricity</td>
<td>4</td>
</tr>
<tr>
<td>APR 153</td>
<td>Electrical Applications and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>APR 155</td>
<td>Electrical Best Practices</td>
<td>2</td>
</tr>
<tr>
<td>APR 157</td>
<td>Introduction to the NEC</td>
<td>2</td>
</tr>
<tr>
<td>APR 159</td>
<td>Electrical Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>APR 160</td>
<td>Residential Wiring (Inside Electrician)</td>
<td>3</td>
</tr>
<tr>
<td>APR 163</td>
<td>Commercial Wiring</td>
<td>3</td>
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<tr>
<td>APR 165</td>
<td>AC Electronics and Electricity</td>
<td>4</td>
</tr>
<tr>
<td>APR 167</td>
<td>Electric Motors and Transformers</td>
<td>3</td>
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<tr>
<td>APR 169</td>
<td>Electrical Code Study 2</td>
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<tr>
<td>APR 251</td>
<td>Electrical Sensors and Control</td>
<td>3</td>
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<tr>
<td>APR 253</td>
<td>Electrical Code Study 3</td>
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<tr>
<td>APR 255</td>
<td>Motor Controls 1</td>
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<tr>
<td>APR 257</td>
<td>High Voltage Applications</td>
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<tr>
<td>APR 259</td>
<td>Solid State and Digital Applications</td>
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<tr>
<td>APR 261</td>
<td>Electrical Code Study 4</td>
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<td>APR 263</td>
<td>Communications, Alarms and Controls</td>
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<tr>
<td>APR 265</td>
<td>Motor Controls 2</td>
<td>2</td>
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</table>
Enrollment into this closed-enrollment program requires sponsorship by an approved training agent (employer) and successful completion of MTH 052 or MTH 060 with a grade of C or better, or equivalent placement scores. CPR/First Aid certification is also required for entry. Additional information can be obtained from the Apprenticeship Coordinator at 541-440-4675.

This degree is a credential in Oregon Community College Electrician Apprenticeship. The model provides statewide transfer opportunities, ladder-type Certificates of Completion, and an optional transfer path into a Bachelor of Science degree in Operations Management at the Oregon Institute of Technology. The AAS degree is based on Oregon College Industrial Mechanics and Maintenance Technology Apprenticeship and is available only to BOLI-ATD registered apprentices and Oregon Building Codes licensed trades are offered:

- Inside Electrician
- Manufacturing Plant Electrician
- Industrial Pipe-fitter
- Industrial Machinist
- Industrial Maintenance Millwright
- Industrial Pipe-fitter

Enrollment into this closed-enrollment program requires sponsorship by an approved training agent (employer) and successful completion of MTH 052 or MTH 060 with a grade of C or better, or equivalent placement scores. CPR/First Aid certification is also required for entry. Additional information can be obtained from the Apprenticeship Coordinator at 541-440-4675.

INDUSTRIAL MAINTENANCE MILLRIGHT

Required Curriculum

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>APR 120</td>
<td>Industrial Safety</td>
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<tr>
<td>APR 130</td>
<td>Mechanical Principles &amp; Drive Designs</td>
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<tr>
<td>APR 140</td>
<td>Beginning Welding for Apprentices</td>
<td>1</td>
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<tr>
<td>APR 141</td>
<td>Intermediate Welding for Apprentices</td>
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<tr>
<td>APR 228</td>
<td>Rigging Fundamentals</td>
<td>3</td>
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<tr>
<td>APR 229</td>
<td>Pneumatics</td>
<td>3</td>
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<tr>
<td>DRF 112</td>
<td>Computer Aided Drafting (CAD) I</td>
<td>3</td>
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<tr>
<td>MFG 111</td>
<td>Machine Shop Practices I</td>
<td>3</td>
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<tr>
<td>MFG 112</td>
<td>Machine Shop Practices II</td>
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<tr>
<td>MFG 121</td>
<td>Hydraulics I</td>
<td>3</td>
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<td>MFG 122</td>
<td>Hydraulics II</td>
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<td>MFG 123</td>
<td>Hydraulics III</td>
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<tr>
<td>MTH 075</td>
<td>Applied Geometry</td>
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<td>WLD 131</td>
<td>Basic Metallurgy</td>
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<td>WLD 140</td>
<td>Blueprint Reading and Sketching</td>
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<tr>
<td>WR 115</td>
<td>Introduction to Expository Writing</td>
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<td></td>
<td>Human Relations from approved list – page 75</td>
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<tr>
<td></td>
<td>Electives from approved list</td>
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<td></td>
<td>Total Certificate Credits</td>
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</table>
Certificate
Industrial Mechanics and Maintenance Technology Apprenticeship, CONTINUED

INDUSTRIAL MACHINISTS

Required Curriculum
APR 120 Industrial Safety 3
APR 130 Mechanical Principles & Drive Designs 3
APR 140 Beginning Welding for Apprentices 1
APR 141 Intermediate Welding for Apprentices 1
APR 228 Rigging Fundamentals 3
CIS 120 Introduction to Computer Information Systems 4
DRF 112 Computer Aided Drafting (CAD) I 3
MFG 111 Machine Shop Practices I 3
MFG 112 Machine Shop Practices II 3
MFG 113 Machine Shop Practices III 3
MFG 121 Hydraulics I 3
MTH 075 Applied Geometry 3
WLD 131 Basic Metallurgy 3
WLD 140 Blueprint Reading and Sketching 3
WR 115 (or higher) Introduction to Expository Writing 3
Human Relations from approved list – page 75 3

Electives from approved list 3
Total Certificate Credits 48

INDUSTRIAL PIPE-FITTER

Required Curriculum
APR 120 Industrial Safety 3
APR 140 Beginning Welding for Apprentices 1
APR 141 Intermediate Welding for Apprentices 1
APR 143 Pipe Welding 1
APR 228 Rigging Fundamentals 3
APR 229 Pneumatics 3
APR 239 Pumps and Pumping 3
DRF 112 Computer Aided Drafting (CAD) I 3
MFG 111 Machine Shop Practices I 3
MFG 121 Hydraulics I 3
MFG 122 Hydraulics II 3
MFG 123 Hydraulics III 3
MTH 075 Applied Geometry 3
WLD 131 Basic Metallurgy 3
WLD 140 Blueprint Reading and Sketching 3
WQT 130 Water Treatment Plant Operation 3
WR 115 (or higher) Introduction to Expository Writing 3
Human Relations from approved list – page 75 3
Total Certificate Credits 48

ELECTIVES as necessary to reach 48 credits
(Depending on specialty. Must be non-duplicative.)

APR 142 Advanced Welding for Apprentices 1
APR 143 Pipe Welding 1
APR 151 Basic Electronics and Electricity 4
APR 153 Electrical Applications and Techniques 3
APR 165 AC Electronics and Electricity 4
APR 239 Pumps and Pumping 3
APR 259 Solid State and Digital Applications 4
BA 101 Introduction to Business 4
CIS 120 Introduction to Computer Information Systems 4
CIS 125D Microcomputer Applications-Database 3
CIS 125S Computer Applications-Spreadsheets 3
DRF 245 Engineering Graphics 3
HPE 295 Wellness & Health Assessment 3
MFG 112 Machine Shop Practices II 3
MFG 113 Machine Shop Practices III 3
MFG 122 Hydraulics II 3
MFG 123 Hydraulics III 3
MFG 124 Hydraulics IV 3
MFG 125 Hydraulics V 3
SDP 109 Elements of Supervision 3
SDP 113 Human Relations for Supervisors 3

Associate of Applied Science
Industrial Mechanics and Maintenance Technology Apprenticeship

This AAS degree is a credential in Oregon Community College Industrial Mechanics and Maintenance Technology Apprenticeship and is available only to BOLI-ATD registered apprentices and not available to the general student population. Therefore, it is a closed enrollment program. The following 8000-hour BOLI-ATD registered apprenticeship trades are offered:

- Industrial Machinist
- Industrial Maintenance Millwright
- Industrial Pipe-fitter

Enrollment into this closed-enrollment program requires sponsorship by an approved training agent (employer) and successful completion of MTH 052 or MTH 060 with a grade of C or better, or equivalent placement scores. CPR/First Aid certification is also required for entry. Additional information can be obtained from the Apprenticeship Coordinator at (541) 440-4675.

INDUSTRIAL MAINTENANCE MILLWRIGHT

Required Curriculum
APR 120 Industrial Safety 3
APR 130 Mechanical Principles & Drive Designs 3
APR 140 Beginning Welding for Apprentices 1
APR 141 Intermediate Welding for Apprentices 1
APR 228 Rigging Fundamentals 3
APR 229 Pneumatics 3
DRF 112 Computer Aided Drafting (CAD) I 3
MFG 111 Machine Shop Practices I 3
MFG 112 Machine Shop Practices I 3
MFG 121 Hydraulics I 3

INDICENT MAINTENANCE MILLWRIGHT

required Credits 48
**INDUSTRIAL PIPE-FITTER**

**Required Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR 120</td>
<td>Industrial Safety</td>
<td>3</td>
</tr>
<tr>
<td>APR 140</td>
<td>Beginning Welding for Apprentices</td>
<td>1</td>
</tr>
<tr>
<td>APR 141</td>
<td>Intermediate Welding for Apprentices</td>
<td>1</td>
</tr>
<tr>
<td>APR 228</td>
<td>Rigging Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MTH 075</td>
<td>Applied Geometry</td>
<td>3</td>
</tr>
<tr>
<td>WLD 131</td>
<td>Basic Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>WLD 140</td>
<td>Blueprint Reading and Sketching</td>
<td>3</td>
</tr>
<tr>
<td>WR 115 (or higher)</td>
<td>Introduction to Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Relations from approved list – page 75</td>
<td>3</td>
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<tr>
<td>CPC</td>
<td>Credit for Prior Certification (Journeyman Card)</td>
<td>22</td>
</tr>
</tbody>
</table>

*Electives from approved list 15

**INDUSTRIAL MACHINIST**

**Required Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR 120</td>
<td>Industrial Safety</td>
<td>3</td>
</tr>
<tr>
<td>APR 130</td>
<td>Mechanical Principles &amp; Drive Designs</td>
<td>3</td>
</tr>
<tr>
<td>APR 140</td>
<td>Beginning Welding for Apprentices</td>
<td>1</td>
</tr>
<tr>
<td>APR 141</td>
<td>Intermediate Welding for Apprentices</td>
<td>1</td>
</tr>
<tr>
<td>APR 228</td>
<td>Rigging Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>DRF 112</td>
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*Electives from approved list 17

**INDUSTRIAL SAFETY**

**Required Curriculum**

<table>
<thead>
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*Electives as necessary to reach 90 credits (Depending on specialty) Must be non-duplicative

**INDUSTRIAL PIPE-FITTER**

**Required Curriculum**

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**INDUSTRIAL MACHINIST**

**Required Curriculum**

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<td>APR 130</td>
<td>Mechanical Principles &amp; Drive Designs</td>
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*Electives from approved list 17

**INDUSTRIAL PIPE-FITTER**

**Required Curriculum**

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**NOTE:** Students who transfer to UCC with BOLI-ATD issued Certificates of Completion and/or journey cards seeking a UCC certificate or degree should contact the Apprenticeship Coordinator at 541-440-4675 for advising.
AUTOMOTIVE

The Automotive Program is designed to provide basic skills and technical knowledge required to achieve an entry-level position as an Automotive Technician. Courses offered may be transferred to other community colleges and four-year schools. A basic tool set is required of all entering students and a list of those required tools are available from the automotive instructors. UCC offers Automotive Certificates and AAS options.

All Automotive students are required to complete a division release form. Please check the program page online, or contact any Automotive program instructor or your adviser for more information.

AUTOMOTIVE TECHNOLOGY

Program Admission Process

The Automotive AAS and T-Ten programs, and Automotive one-year certificate, have limited enrollment – applications are due by August 30, 2012. Applicants must successfully complete the admission application process and must meet program requirements described below. Admission to the program will be based on accepted application to the program and then on a first-come, first-served basis as space allows. (Applications submitted after August 30, 2012 may be considered on a space-available basis.)

Entry Requirements

1. Pre-requisites: program applicants must have completed MTH 010, RD 080, and WR 090 with a grade of C or better- equivalent math, reading or writing courses and/or placement scores may be accepted with department approval.
2. Drug screening: program applications must have successfully passed a drug screening test, and may be subject to a random drug screening test. UCC’s Automotive Department will designate which company will conduct the drug screen testing.
3. In accordance with industry standards, the Automotive Program maintains a no-tolerance policy regarding substance abuse, as outlined in UCC’s Student Code of Conduct, 721.3.
4. Automotive Program orientation: attend the orientation session as scheduled. A screening interview may be required.
5. Students in the Automotive program may be required to enroll in other classes or participate in supplementary activities to increase their success.
6. Students must be in the Automotive program to enroll in any of the Automotive program courses, or have special permission from the Automotive Department.

The Automotive Program courses, policies and graduation requirements are under constant review and subject to change. The Automotive Program courses, policies and graduation requirements, you are strongly urged to consult with a member of the automotive staff or an adviser.

The UCC Automotive program is accredited by the National Automotive Technical Education Foundation.

Required Curriculum-Track A:

Term One – Fall
AUT 168 Automotive Electricity I 5
AUT 169 Automotive Electricity II 5
Mathematics 052 or higher based on placement test scores
Reading as needed

Term Two – Winter
AUT 155 Brakes 5
AUT 158 Suspension and Alignment 5
CIS 120 Introduction to Computer Information Systems 4

Term Three – Spring
AUT 151 Internal Combustion Engines 5
AUT 161 Power Trains 5
WR 115 (or higher) Introduction to Expository Writing 3

Term Four – Fall
AUT 259 Electronic Fuel Injection, Computer Systems I 5
AUT 260 Electronic Fuel Injection, Computer Systems II 5
PSY 101 Psychology of Human Relations 3

Term Five – Winter
AUT 263 Automatic Transmissions 5
AUT 289 Engine Performance 5
WLD 101 Welding Processes and Applications 4

Term Six – Spring
AUT 286 Climate Control Systems 5
AUT 290 Automotive Repair I 5
HE 252 or First Aid OR
HPE 295 Wellness & Health Assessment 3
*CWE/Electives (100 level or higher) 11
Total Degree Credits 92

*Electives for the program are offered F, W, S, Su. See program adviser or automotive staff.
Associate of Applied Science
Automotive Technology/Toyota Option

Umpqua Community College’s partnership with Toyota offers a Toyota Option for students who want to become Toyota Certified in addition to the Automotive Technology Degree. The students need to complete the following requirements:

- Meet all school requirements for degree, including all general education requirements.
- Pass each of Toyota’s required tests in E-Learning and Instructor led, Toyota infused classes. All test scores must be 80% or higher for student seeking Toyota certificate.
- Complete an approved Worksite Education Experience of a minimum 640 hours (Note: 425 hours are included in the UCC degree), which increases electives from 11 to 13 (see Program Adviser).
- Pass any TWO ASE tests from A-1 through A-8
- Pass an Air-Conditioning Certificate from one of the following organizations:
  - ASE (Refrigerant recovery and recycling certification test)
  - Mobile Air Conditioning Society
  - International Mobile Air Conditioning Association

Total Degree requirements for Toyota option = 94

See your Toyota program adviser.

NOTE: Students may be able to attend different courses (tracks) through FIRST YEAR Automotive classes — see your automotive instructors/advisers for track advising.

Students in the T-TEN program will be responsible for travel, housing and living expenses during the required summer internship. Cost varies according to internship location, and are not covered by student fees.

AVIATION FLIGHT TECHNOLOGY

One-Year Certificate
This program prepares students with knowledge, skills, experience, and certification necessary to enter careers in flight instruction, general aviation, business aviation, corporate aviation, airlines, military aviation and more. On completion of one-year certificate, students will have their private pilots license. Students are encouraged to continue on to OSU or Embry-Riddle University to complete a 4 year degree with an emphasis in Aerospace Leadership Concentration through the School of Education. Expect additional fees.

All Aviation students are required to complete a division release form. Please check the program page online, or contact any Aviation program instructor or your adviser for more information.

Courses required for One-Year Private Pilot Certificate

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<td>AV 123*, 124*</td>
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<td>CIS 120</td>
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Second Term – Winter

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<td>AV 150</td>
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<td>HPE 295</td>
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<td>PSY 101</td>
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<td>AV 280</td>
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Total Degree Credits = 51-55

*AV 121, 122, 123, 124 Flight Hours are dependent on weather. Courses must be taken in succession may take more than one term to complete each course. Courses are offered each term to ensure students are able to meet minimal requirements of 4 credits of flight hours for private pilot certificate.

Gainful Employment: Aviation Technology

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<td>Books/Supplies:</td>
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<td>Completion/Placement:</td>
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<td>Median Debt:</td>
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</table>

Associate of Applied Science Degree

An Associates of Applied Science degree is awarded upon successful completion of the 98 credit hours listed below. These include 52 credits of Aviation courses with additional credits and time needed for flight school.

This degree prepares the students to continue into a career as a commercial pilot. Students are encouraged to continue their education at two colleges UCC has been articulating with: Embry Riddle University (Prescott, AZ or Daytona Beach, FL) or Oregon State University (Corvallis, OR). Note: Placement scores indicating Math 100 or higher is required for entry into this program.

First Term – Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AV 110</td>
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<td>MTH 111</td>
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Second Term – Winter

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</table>

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AVIATION FLIGHT TECHNOLOGY
Associate of Applied Science Degree, CONTINUED

Third Term – Spring
AV 210 Instrument Pilot 5
AV 150 Aerodynamics 3
AV 121* Flight Hours (Dual) 1
MTH 243 **Introduction to Probability & Statistics 4
AV 280 Cooperative Work Experience: Aviation-optimal 1

Fourth Term – Fall
AV 220 Commercial Pilot 5
AV 121* Flight Hours (Dual) 1
AV 208 Meteorology App 4
ECON 201 Principles of Econ. I 3
AV 240 or Small Business in Aviation OR
BA 206 Management Fundamentals 3-4
AV 280 Cooperative Work Experience: Aviation-optimal 1

Fifth Term – Winter
AV 230 Multi-engine Pilot 5
AV 204 Advanced Aircraft systems II 4
AV 121* Flight Hours (Dual) 1
ECON 202 Principles of Economics II 3
CIS 120 Introduction to Computer Information Systems 4
AV 280 Cooperative Work Experience: Aviation-optimal 1

Sixth Term – Spring
AV 235 Human Factors 4
AV 256 CFI Ground School 5
AV 121* Flight Hours (Dual) 1
SP 111 Fundamentals of Public Speaking 5
GS 104 Physical Science 5
AV 280 Cooperative Work Experience: Aviation-optimal 1
Total Degree Credits 98-101

*AV 121, 122, 123, 124 Flight Hours are dependent on weather. Courses must be taken in succession may take more than one term to complete each course. Courses are offered each term to ensure students are able to meet minimal requirements of 4 credits of flight hours for private pilot certificate.

** A grade of C or better must be attained in the courses indicated.

NOTE:
Students planning to attend Embry-Riddle Aeronautical University need to add the following courses:
BA 211 Principles of Accounting I 3
Concurrent enrollment in BA 128 (2)

BUSINESS TECHNOLOGY

All Business Technology students are required to complete a division release form. Please check the program page online, or contact any Business Technology program instructor or your adviser for more information.

Entrepreneurship Career Pathways Certificate

The Entrepreneurship Career Pathways Certificate is an exciting new program that will help prepare you to start and effectively operate your own small business. The program builds skills in many areas critical to the success of a small business owner such as written and verbal communication, marketing, business law, accounting, financial management, and small business development. Many aspects of starting and running a small business are encompassed in the certificate from initial evaluation of a business opportunity and developing a business plan, to managing the small business and recordkeeping.

The less than one-year certificate has the flexibility to meet your individual needs. Almost a third of the required curriculum is made up of electives where you can choose from an entrepreneur’s dream list of subjects including international business for those interested in taking advantage of global market opportunities, to web page design, to communicating with employees and technical report writing.

Students should take the classes in the order listed below. If the classes do not fit within your schedule, please see a faculty adviser for help.

Students entering the program are expected to have basic keyboarding and computer skills with business application software such as Word and Excel. If you do not have these basic skills, you should take Introduction to Computer Information Systems (CIS120) during your first term at UCC. Placement scores indicating you should take Introduction to Computer Information Systems (CIS120) during your first term at UCC. Placement scores indicating MTH 020 or higher and WR 115 or higher are required for entry into the program.

Required Curriculum

Term One – Fall
BA 101 Introduction to Business 4
BA 180 Business Mathematics I 3
BA 206 Management Fundamentals 3
BA 280C Cooperative Work Experience: Management 2
*Approved Electives 3

Term Two – Winter
BA 150 Developing a Small Business 4
BA 211 Principles of Accounting I 3
BA 226 Business Law 4
BA 280C Cooperative Work Experience: Management 1
*Approved Electives 3

Term Three – Spring
BA 223 Principles of Marketing 3
BA 250 Managing the Small Business 3
*Approved Electives 6
Total Certificate Credits 42

* The following is a list of the approved electives for the Entrepreneurship Certificate. Electives must be selected from this list.

BA 165 Customer Service 3
BA 203 Introduction to International Business 3
BA 207 Introduction to E-Commerce 3
BA 222 Financial Management 3
BA 238  Salesmanship          3  
BA 239  Advertising           3  
BA 249  Retailing            3  
CIS 125D Microcomputer Applications – Database 3  
CIS 195  Authoring for the World Wide Web 4  
SDP 109  Elements of Supervision 3  
SDP 112  Communicating Effectively in the Workplace 3  
SDP 208  Human Resources for Supervisors 3  
SDP 223  Employee Appraisal & Development 3  
WR 121  English Composition 3  
WR 227  Technical Report Writing 3  

Required Curriculum

Term One – Fall

BA 206 or Management Fundamentals OR 3  
SDP 109  Elements of Supervision 3  
BA 180  Business Mathematics I 3  
BA 211 or Principles of Accounting I OR 4  
BA 151  Practical Accounting 3-4  

Term Two – Winter

BA 249  Retailing 3  
CIS 120  Introduction to Computer Information Systems 4  
BA 214  Business Communications 3  
SDP 208  Human Resources for Supervisors 3  

Certificate

Supervision

This certificate program is designed to give students flexibility in course selection while specializing in topics relevant to supervisors. Students must meet with academic adviser to review course selections.

Required Curriculum

Term One – Fall

WR 121  English Composition 3  
SDP 109  Elements of Supervision 3  
BA 101  Introduction to Business 4  
BA 180  Principles of Accounting II 3  
BA 151  Practical Accounting 3-4  

Term Two – Winter

BA 120  Introduction to Computer Information Systems 4  
BA 214  Business Communications 3  
SDP 208  Human Resources for Supervisors 3  

Term Three – Spring

SP 111  Fundamentals of Public Speaking 3  
BA 223  Principles of Marketing 3  
SDP 113  Human Relations for Supervisors 3  

Total Certificate Credits 31-32

Certificate

Retail Management

This certificate is designed to prepare students for entry-level teller positions in banks or credit unions. Students will gain the theoretical knowledge and will learn practical skills necessary for success in this field. The program can be completed in two school terms. Minimum placement scores include college-level reading, WR 115, and MTH 060 or higher. Minimum exit-level keyboarding speed and accuracy: 30 net wpm with 95% or better accuracy. Students should seek placement keyboarding test from the Business Department. If skills are not adequate, then student should plan to take OA 110 and OA 124 to meet the exit-level keyboarding requirement. See academic adviser for occupational requirements.

Required Curriculum

Term One – Fall

BA 101  Introduction to Business 4  
BA 165  Customer Service 3  
CIS 120  Introduction to Computer Information Systems 4  
CWE 161  CWE Seminar I 1  
OA 131  Ten-Key Calculator 1  

Term Two – Winter

BA 116  Principles of Financial Services 4  
BA 218  Personal Finance 3  
BA 214  Business Communications 3  
SP 218 or Interpersonal Communication OR 3  
SP 105  Listening 3  

Total Certificate Credits 26

Certificate

WAFC Retail Management

This certificate is designed to prepare students for entry-level positions and possible promotion in the retail industry. A statewide consortium and the Western Association of Food Chains sponsor this certificate.

Students are required to take a placement test to determine skill level and academic readiness. Students are required to start at the level(s) indicated by the placement tests. A grade of C or better must be earned in all courses within this certificate.
BUSINESS TECHNOLOGY, CONTINUED

Associate of Applied Science
Accounting Technology

Accounting Technology is a two-year Associate of Applied Science (AAS) degree program designed to develop a working knowledge of widely accepted accounting principles, techniques, and practices. Those successfully completing this program will be prepared for entry-level positions in the field of accounting.

The required accounting courses include classroom instruction and computer lab periods wherein students make extensive use of computers in practicing accounting applications. Students are encouraged to participate in Cooperative Work Experience during the program. Students not knowing how to keyboard (type by touch) should add OA 121 Keyboarding to Term One classes. Students with little or no computer experience are encouraged to add CIS 140W - Introduction to Windows to Term One classes also.

To qualify for the AAS- Accounting Technology degree, students must satisfactorily complete all required courses and electives for a minimum of 96 credit hours. Some courses may be waived by examination and/or demonstrated experience. Accounting students must have a 2.5 cumulative GPA on accounting courses indicated with a (*) and no individual course grade lower than a C in (*) courses.

When planning your schedule, please note that Accounting Technology majors are to enroll in Accounting Applications I, II, III (BA 128, BA 129, BA 130) concurrently with Principles of Accounting I, II, III (BA 211, BA 212, BA 213). In addition, Accounting Technology majors are to enroll in Computer Accounting Systems I, II, III (BA 228, BA 229, BA 230) concurrently with Intermediate Accounting I, II, III (BA 235, BA 236, BA 237). Accounting Technology majors must begin their program Fall term to meet the recommended sequence of required courses that are offered unless the Principles of Accounting I, II, III (BA 211, BA 212, BA 213) and Accounting Applications I, II, III (BA 128, BA 129, BA 130) are offered as a trailer course beginning Winter Term. Please see your accounting faculty adviser for help in planning your academic schedule.

Required Curriculum

Term One – Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 211</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BA 128</td>
<td>Accounting Applications I</td>
<td>2</td>
</tr>
<tr>
<td>MTH 095</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>BA 214</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BA 106A</td>
<td>Business Leadership I</td>
<td>1</td>
</tr>
</tbody>
</table>

Term Two – Winter

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 212</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BA 129</td>
<td>Accounting Applications II</td>
<td>2</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MTH 105 or</td>
<td>Introduction to Contemporary Mathematics OR</td>
<td>4</td>
</tr>
<tr>
<td>MTH 111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>ECON 115</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 106B</td>
<td>Business Leadership II</td>
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</table>

Term Three – Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 213</td>
<td>Principles of Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>BA 130</td>
<td>Accounting Applications III</td>
<td>2</td>
</tr>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>BA 106C</td>
<td>Business Leadership III</td>
<td>1</td>
</tr>
<tr>
<td>OA 131</td>
<td>Ten-Key Calculator</td>
<td>1</td>
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</table>

Term Four – Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA 231</td>
<td>Computers in Business</td>
<td>4</td>
</tr>
<tr>
<td>BA 228</td>
<td>Computerized Accounting Systems I</td>
<td>2</td>
</tr>
<tr>
<td>BA 177</td>
<td>Payroll Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA 235</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BA 215</td>
<td>Cost Accounting</td>
<td>4</td>
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</tbody>
</table>

Term Five – Winter

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA 236</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BA 229</td>
<td>Computerized Accounting Systems II</td>
<td>2</td>
</tr>
<tr>
<td>BA 226</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BA 256</td>
<td>Tax Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 240</td>
<td>Introduction to Auditing</td>
<td>3</td>
</tr>
</tbody>
</table>

Term Six – Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 237</td>
<td>Intermediate Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>BA 230</td>
<td>Computerized Accounting Systems III</td>
<td>2</td>
</tr>
<tr>
<td>BA 257</td>
<td>Tax Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 222</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>PE 185</td>
<td>Physical Education (3 classes)</td>
<td>3</td>
</tr>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total Degree Credits</td>
<td></td>
<td>96</td>
</tr>
</tbody>
</table>

Other Recommended Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWE 161</td>
<td>CWE Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BA 280A</td>
<td>Cooperative Work Experience:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Accounting</td>
<td></td>
</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CIS 125W</td>
<td>Microcomputer Applications -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Word Processing</td>
<td></td>
</tr>
<tr>
<td>CIS 125D</td>
<td>Microcomputer Applications -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Database</td>
<td></td>
</tr>
<tr>
<td>SDP 109</td>
<td>Elements of Supervision</td>
<td>3</td>
</tr>
</tbody>
</table>

* Minimum grade of and minimum accumulative GPA of 2.50 required in these classes for AAS - Accounting Technology degree.

** A grade of C or better must be attained in these courses.
Associate of Applied Science
Entry Management

The two-year Entry Management degree prepares you to become an effective business leader in today’s rapidly changing competitive business environment. The program develops skills in accounting, motivating and managing employees, communication, marketing, public speaking, business software, community service, and financial management. Whether you are new to the business world or are seeking to upgrade your skills, the program will provide the training you need to succeed.

The curriculum combines “leading edge” classroom instruction with on-the-job training (Cooperative work experience). Students should take the classes in the order listed below. If classes do not fit within your schedule, please see a faculty adviser for help.

Students entering the program are expected to have basic keyboarding and computer skills with business application software such as Word and Excel. If you do not have these basic skills, you should take Introduction to Computer Information Systems (CIS120) during your first term at UCC. Placement scores indicating MTH 020 or higher and WR 115 or higher are required for entry into the program.

Required Curriculum

Term One – Fall
- BA 101 * Introduction to Business 4
- BA 106A Business Leadership I 1
- BA 180 Business Mathematics I 3
- SP 111 Fundamentals of Public Speaking 3
- WR 121 * English Composition 3

Term Two – Winter
- BA 106B Business Leadership II 1
- BA 249 Retailing OR
- SDP 208 Human Resources for Supervisors 3
- ECON 115 Introduction to Economics 3
- Human Relations course** 3
- Elective 3
- WR 122 * English Composition 3

Term Three – Spring
- BA 223 * Principles of Marketing 3
- WR 227 * Technical Report Writing 3
- BA 181 Business Mathematics II 3
- BA 214 * Business Communications 3
- SDP 205 Management and Leadership Dynamics 3
- BA 106C Business Leadership III 1

Term Four – Fall
- BA 206 * Management Fundamentals 3
- BA 211 * Principles of Accounting I 3
- BA 128 * Accounting Applications I 2
- BA 231 Computers in Business 4
- BA 280C * Cooperative Work Experience: Management 2
- CWE 161 CWE Seminar I 1
- CWE 162 CWE Seminar II 1

Term Five – Winter
- BA 212 * Principles of Accounting II 3
- BA 129 * Accounting Applications II 2
- SDP 112 Communicating Effectively in the Workplace 3
- BA 226 * Business Law 4
- BA 280C * Cooperative Work Experience: Management 2

Other Recommended Courses
- BA 150 Developing a Small Business 4
- BA 130 Accounting Applications III 2
- BA 203 Introduction to International Business 3
- CIS 195 Authoring for the World Wide Web 4
- MTH 060 Introduction to Algebra 4
- SDP 223 Employee Appraisal and Development 3
- OA 131 Ten-Key Calculator 1
- HPE 295 Wellness & Health Assessment 3
- CIS 120 Introduction to Computer Information Systems 4

* A grade of C or better must be attained in the courses indicated
** Choice of Human Relations is from list of approved Human Relations courses not already required by program – see page 75.
Associate of Applied Science
Markting

The two-year Marketing degree provides training for many solid well-paid opportunities in the exciting field of marketing. The program is designed to prepare you for a career and leadership role in business by developing your skills in building customer value and satisfaction, working with teams, supervising employees, communicating effectively both oral and written, understanding business terminology, presenting information, and using business software. Whether you are seeking to upgrade your skills or are new to business, this program will help you become successful in a competitive, rapidly changing business environment.

The curriculum combines “leading edge” classroom instruction with on-the-job training (Cooperative Work Experience). Students should take the classes in the order listed below. If classes do not fit within your schedule, please see a faculty adviser for help.

Students entering the program are expected to have basic keyboarding and computer skills with business application software such as Word and Excel. If you do not have these basic skills, you should take Introduction to Computer Information Systems (CIS 120) during your first term at UCC. Placement scores indicating MTH 020 or higher and WR 115 or higher are required for entry into the program.

NOTE: You should see your business faculty adviser for help in planning your schedule. BA 101, Introduction to Business, should be taken during the first term or as soon as possible. Keyboarding is an essential skill for success.

Required Curriculum

Term One – Fall
- BA 101 * Introduction to Business 4
- BA 106A Business Leadership I 1
- BA 165 Customer Service 3
- Human Relations from approved list – page 75 3
- WR 121 * English Composition 3

Term Two – Winter
- BA 106B Business Leadership II 1
- BA 180 Business Mathematics I 3
- BA 214 * Business Communications 3
- SP 111 * Fundamentals of Public Speaking 3
- WR 122 * English Composition 3
- Elective 3

Term Three - Spring
- BA 226 * Business Law 4
- BA 106C Business Leadership III 1
- BA 181 Business Mathematics II 3
- BA 223 * Principles of Marketing 3
- SDP 109 Elements of Supervision 3

Term Four – Fall
- CIS 195 Authoring for the World Wide Web 4
- BA 128 * Accounting Applications I 2
- BA 211 * Principles of Accounting I 3
- BA 231 Computers in Business 4
- BA 238 * Salesmanship 3
- CWE 161 CWE Seminar I 1

Term Five – Winter
- BA 249 * Retailing 3
- BA 280B * Cooperative Work Experience: Marketing 3
- CWE 162 CWE Seminar II 1
- ECON 115 Introduction to Economics 3
- WR 227 * Technical Report Writing 3

Term Six – Spring
- BA 207 Introduction to E-Commerce 3
- BA 239 * Advertising 3
- BA 280B * Cooperative Work Experience: Marketing 3
- CIS 125D Microcomputer Applications – Database 3
- SP 219 Small Group Discussion 3
- CWE 163 CWE Seminar III 1
- Total Degree Credits 90

Recommended Electives
- BA 206 Management Fundamentals 3
- BA 250 Managing the Small Business 3
- OA 131 Ten-Key Calculator 1
- PS 205 International Relations 3

** A grade of C or better must be attained in the courses indicated
** Choice of Human Relations is from list of approved Human Relations courses not already required by program – see page 75.

COMMUNICATION STUDIES

Opportunities in the communication field are growing at a faster than average rate. Students who earn four-year degrees in communication may choose to work in such fields as media or broadcasting, journalism, public relations, marketing, education, or business leadership, among others. Degrees can be earned in any of these specializations at four-year colleges and universities. The Communication Studies coursework at UCC prepares students for career applications and transfer into four-year degree programs. Students may choose from one of three program areas of concentration: Journalism, Public Relations/General Communication, or Speech.

Pathways Certificate
Communication Specialist in Organizations

This certificate will represent 15 credit hours of coursework completed in the Communication Studies area that applies to positions such as customer service or other communication-related jobs including marketing and sales. Students who complete this certificate will have demonstrated skill in listening, developing persuasive messages, problem solving, team work, decision making, clearly communicating information, developing rapport, and technical writing.

Required Curriculum
- SP 105 Listening 3
- SP 112 Persuasion 3
- BA 214 Business Communications OR 3
- BA 165 Customer Service 3
- SP 219 Small Group Discussion 3
- WR 227 Technical Report Writing 3
- Total Certificate Credits 15
Pathways Certificate
Public Relations Communication Assistant

This certificate will represent 18 credit hours of coursework completed in the Communication Studies area that applies to positions such as public relations specialists or other communication-related jobs such as marketing, sales, journalism and advertising. Students who complete this certificate will have demonstrated skill in analyzing needs of different publics, listening, developing persuasive messages, understanding the history and influence of mass media, writing for the media, problem solving, team work, decision-making, and applying relevant theories to work and public situations.

Required Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>J 205</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>J 211</td>
<td>Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>J 251</td>
<td>Writing for the Media</td>
<td>3</td>
</tr>
<tr>
<td>SP 105</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>SP 112</td>
<td>Persuasion</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition to required courses (listed above) students must complete 3 additional credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 125H</td>
<td>Writing Web Pages</td>
<td>2</td>
</tr>
<tr>
<td>J 215</td>
<td>Journalism Production</td>
<td>1-3</td>
</tr>
<tr>
<td>VC 121</td>
<td>Layout Basics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits: 18

Certificate
Public Relations Specialist

Though individuals who work in the public relations field as specialists generally have a bachelor’s degree, this 47-credit certificate may lead to some entry-level public relations positions (e.g., assisting with event coordination or meeting planning, developing marketing tools and press releases, etc.) or related areas in marketing and sales.

Required Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA 223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA 238</td>
<td>Salesmanship</td>
<td>3</td>
</tr>
<tr>
<td>CIS 125H</td>
<td>Writing Web Pages</td>
<td>2</td>
</tr>
<tr>
<td>J 205</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>J 211</td>
<td>Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>J 251</td>
<td>Writing for the Media</td>
<td>3</td>
</tr>
<tr>
<td>J 215</td>
<td>Journalism Production</td>
<td>2</td>
</tr>
<tr>
<td>SP 105</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>SP 112</td>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>VC 121</td>
<td>Layout Basics</td>
<td>3</td>
</tr>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MTH 105 (or higher)</td>
<td>Introduction to Contemporary Mathematics</td>
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</table>

Plus two additional courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 165</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>BA 214</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>SP 218</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP 219</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>SP 298</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits: 48

COMPUTER INFORMATION SYSTEMS

Associate of Applied Science

This curriculum is designed to train students in a variety of modern Internet and business-oriented computer skills. Students will initially develop software and hardware problem-solving skills using programming logic and hands-on lab situations. Students will learn to efficiently use common office applications, receive practical experience with current mainstream operating systems (OS), and work with typical hardware configurations. Advanced databases (DBMS), Internet resource design (web pages & database use) systems analysis (project management), Microsoft Server management, Cisco Networking and networking security are focal areas in the second year.

Students will also be trained in basic business procedures, accounting and communication skills. Several of the Computer Information System (CIS) program’s classes map directly to leading industry certifications such as the Microsoft Certified IT Professional (MCITP) and the Cisco Certified Network Administrator (CCNA) credential. The CIS program is designed to prepare students for employment in (or for a job path leading to) any one of several career opportunities as listed by the Department of Labor. Computer Support Specialist, Computer Operator, Computer and Information Systems Manager, Computer Programmer, Network Administrator, Network Systems and Communications Analyst, Internet Service Technician, and Database Administrator are among those targeted careers.

To qualify for the AAS degree you must satisfactorily complete all required courses. If you are entering other than Fall term or desire to transfer to a four-year CIS degree program, you should see your CIS faculty adviser.

Note: Completion of MTH 095 or placement test score indicating MTH 105 or higher and WR 121 or higher is required for entry into the CIS program. All Computer Information Systems students are required to complete a division release form. Please check the program page online, or contact any Computer Information Systems program instructor or your adviser for more information.

Required Curriculum

Term One – Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CIS 122</td>
<td>Introduction to Programming</td>
<td>4</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>WR 121</td>
<td>*English Composition</td>
<td>3</td>
</tr>
<tr>
<td>BA 151</td>
<td>Practical Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 211</td>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
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</table>

Term Two – Winter

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CIS 133VB</td>
<td>Introduction to Programming-Visual Basic</td>
<td>5</td>
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<tr>
<td>CIS 140M</td>
<td>Introduction to Microsoft Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 135</td>
<td>Applications Development for Computers</td>
<td>3</td>
</tr>
<tr>
<td>WR 122</td>
<td>*English Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

Term Three – Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 151C</td>
<td>Networking Essentials</td>
<td>4</td>
</tr>
<tr>
<td>CIS 240M</td>
<td>Windows Server Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 275</td>
<td>Introduction to Database Management Systems</td>
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</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
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</tbody>
</table>
COMPUTER INFORMATION SYSTEMS

Associate of Applied Science, CONTINUED

Term Four – Fall

CIS 195  Authoring for the World Wide Web I  4
CIS 276  Intermediate Database Management 4
CIS 152C Introduction to Basic Routers 4
MTH 105 or Introduction to Contemporary Mathematics OR
MTH 105T  Mathematics for Technology 4

Term Five – Winter

CIS 153C  Intermediate Routing & Switching 4
CIS 279M  Network Management 4
CIS 295  Authoring for the World Wide Web II 4
CIS 280  Cooperative Work Experience: Computer Information Systems 2
PSY 101  Psychology of Human Relations (or equivalent-SDP 112/SP 218) 3

Term Six – Spring

CIS 154C  Wide Area Network Protocols 4
CIS 244  Systems Analysis and Design 4
SP 111  Fundamentals of Public Speaking 3
CIS 284  Network Security Fundamentals 4

Total Degree Credits: 92-93

CONSTRUCTION TECHNOLOGY

One Year Certificate Program

The purpose of this program is to train students in the technical skills and knowledge of the construction industry. The graduate of this program can expect to work in the residential and commercial building construction field.

All Construction Technology students are required to complete a division release form. Please check the program page online, or contact any Construction Technology program instructor or your adviser for more information.

Required Curriculum

Term One – Fall

CST 110  Blueprint Reading 3
CST 111  Construction Orientation 2
CST 118A  Building Construction I 7
WR 115 (or higher)  Introduction to Expository Writing 3
MTH 052 (or higher)  Introduction to Algebra for the Trades 4

Term Two – Winter

CST 116  Construction Estimating 4
CST 118B  Building Construction II 7
CST 122  Construction Codes I 2
CST 120  Introduction to Computer Information Systems 4

Term Three – Spring

CST 112  CAD for Construction 3
CST 118C  Building Construction III 7
CST 119  Building Construction Surveying 1
CST 123  Construction Codes II 2

Total Certificate Credits: 52-53

Other Recommended Courses:

CIS 140  Introduction to Windows 2
CST 280  Cooperative Work Experience: Construction Technology 2-6

CRIMINAL JUSTICE

The Public Safety Department offers several programs related to a career in criminal justice. For students interested in becoming a law enforcement officer, the Police Reserve Academy provides a 320-hour program over the course of three terms. For students interested in working in the field of juvenile corrections, the one-year Juvenile Corrections Certificate Program is available. The AAS Degree in Criminal Justice is a two-year Associate of Applied Science degree that provides a strong basis for employment in the field. For those students intending to proceed on to a related Bachelor’s degree, the AAOT (Associate of Arts Oregon Transfer) Degree is available with a Criminal Justice focus, as well as Associate of Science (AS) articulated transfer programs. For more information, see the following program descriptions.

All Criminal Justice students are required to complete a division release form. Please check the program page online, or contact any Criminal Justice program instructor or your adviser for more information.

Police Reserve Academy

This is a 320-hour program designed to train police reserve officers to enter a career in law enforcement. Students interested in this program must apply to the Public Safety Department Chair prior to Fall Term. All program participants must meet all of the following criteria:

- Be a citizen of the United States.
- Be at least 21 years of age upon completion of the training program.
- Not have been convicted by any state or by the federal government of a crime, the punishment for which could have been imprisonment in a federal penitentiary or state prison.
- Be a high school graduate or have passed the General Education Development test.
- Possess a valid Oregon driver’s license with an acceptable driving record.

This nine-month Academy program is instructed on Saturdays between early September and mid-May of each year. The classes are scheduled from 7 a.m. to 5:30 p.m. each Saturday. Students are required to provide their own uniforms, equipment, and supplies. Participating law enforcement agencies in Douglas County may select candidates for their Reserve Officer Program or full-time positions from the class at any time. These classes are taught by personnel from throughout the criminal justice system in Douglas County.

This program may be taken in conjunction with the AAS, AS, or AAOT Criminal Justice Programs (see following descriptions). For further information, contact the Criminal Justice Program Coordinator.

Required Curriculum:

Term One – Fall

CJ 100A  Law Enforcement Skills Training 2
CJ 105  Concepts of Criminal Law 3
CJ 110  Introduction to Law Enforcement 3

Term Two – Winter

CJ 100B  Law Enforcement Skills Training 2
CJ 120  Introduction to Judicial Process 3
CJ 212  Report Writing for Criminal Justice 3
CJ 203  Crisis Intervention (PRA only) 1
Certificate
Juvenile Corrections

This statewide one-year certificate Juvenile Corrections program is specifically designed for individuals who want to work directly with juvenile offenders in various settings. These settings may include Oregon Youth Authority (OYA) as well as other public, private, and non-profit agencies/programs. As a statewide cooperative effort among several Oregon community colleges, this program is transferable among the participating schools. In addition, required courses may be applied to an AAS, AS or other 2-year degrees either as required, technical option, or elective courses.

Juvenile corrections workers provide supervision, facilitate in the treatment process and crisis intervention, provide social and life skills training, maintain records and documentation, engage in support services, monitor and ensure a secure environment. The occupational outlook for juvenile corrections workers is better than average. While the certificate prepares individuals for entry-level employment, advancement in salary and responsibility may require additional education. Agencies employing certificate holders are likely to have additional job specific requirements such as age, physical abilities, drug screening, and background checks. Beginning wage for an OYA Youth Corrections Unit Coordinator is approximately $2,800 per month; however, salary and benefit packages vary greatly depending upon the employing agency and geographical location. Required courses include:

Required Curriculum:

Term One – Fall
MTH 052 (or higher) Algebra for the Trades 4
PSY 201 General Psychology 3
WR 121 *English Composition 3
CJS 120 Introduction to Computer Information Systems 4
HDFS 201 Individual & Family Development (may be taken Fall, Winter, or Spring) 3

Term Two – Winter
CJ 280 ****Cooperative Work Experience: Criminal Justice 2
HS 154 Community Resources 3
HS 227 Understanding Dysfunctional Families 3
SOC 207 Juvenile Delinquency 3
SP 218 **Interpersonal Communication 3

Term Three – Spring
CJ 101 Introduction to Criminology 3
CJ 280 ****Cooperative Work Experience: Criminal Justice 2
CJ 230 Introduction to Juvenile Justice Systems 3
SOC 206 Social Problems & Issues 3
SOC 225 Social Problems of Addiction 3

Term Four – Summer
CJ 232 ***Introduction to Correctional Casework 3
Total Certificate Credits 48

*A grade of C or better must be attained in these classes.
** Meets Human Relations class requirement.
*** Prerequisite: CJ 230 OR CJ 261 OR Instructor Approval
**** CWE must be in juvenile-related settings.

Associate of Applied Science
Criminal Justice

An Associate of Applied Science degree is awarded upon successful completion of the 90 credit hours.

Criminal Justice related majors are offered at SOU (Criminology and Criminal Justice) PSU (Administration of Justice) and WOU (Corrections and Law Enforcement.) Note: Students expecting to continue on to attain a B.A. or B.S. should consider the AAOT or AS – Criminal Justice Program- see the transfer section for more details.

Required Curriculum:

Term One – Fall
CJ 110 Introduction to Law Enforcement 3
CJ 261 Introduction to Probation & Parole 3
WR 121 *English Composition 3
SOC 204 Introduction to Sociology 3
Approved Elective (see list following) 3

Term Two – Winter
CJ 120 Introduction to Judicial Process 3
CJ 114 Cultural Diversity Issues in Criminal Justice 3
WR 122 *English Composition 3
PSY 101 or SP 218 **Psychology of Human Relations OR **Interpersonal Communication 3
Approved Elective (see list following) 3

Term Three – Spring
CJ 101 Introduction to Criminology 3
CJ 130 Introduction to Corrections 3
WR 227 Technical Report Writing 3
MTH 052 (or higher) Introduction to Algebra for the Trades 4
Approved Elective (see list following) 2 or 3

Term Four – Fall
CJ 105 Concepts of Criminal Law 3
PSY 201 General Psychology 3
Social Sciences Elective 3
Approved Elective (see list following) 3
Approved Elective (see list following) 3

Term Five – Winter
SP 111 Fundamentals of Public Speaking 3
Social Sciences Elective 3
Social Science Elective 3
Approved Elective (see list following) 3
Approved Elective (see list following) 3

O*NET Occupation: http://www.onetonline.org/link/summary/33-3012.00
Program Code: 43-0102
Tuition/Fees: $3,168 / $360
Books/Supplies: $1,500
Completion/Placement: N/A
Median Debt: N/A
Culinary Arts Certificate

The Culinary Arts Certificate program provides basic chef training. It immerses the student into three working areas of the kitchen: the a la carte kitchen, the production kitchen and the pastry and bake shop. The student will rotate term by term through each area of the kitchen. This will provide the student with authentic working conditions in a restaurant setting. The student will also participate in an internship during their second or third term.

All Culinary Arts students are required to complete a division release form. Please check the program page online, or contact any Culinary Arts program instructor or your adviser for more information.

**Required Curriculum**

**Term One – Fall**

- CA 160 Introduction to the Culinary Arts 3
- CA 173 Fundamentals of the Production Kitchen 1
- CA 174 The Professional Production Kitchen 8

**Term Two – Winter**

- CA 186 Fundamentals of the A La Carte Kitchen and Dining Room 1
- CA 185 A La Carte Kitchen and Dining Room 8
- CA 176 Fundamentals of Menu Planning 2
- CA 204 Winter Capstone: Restaurant Operation 2

**Term Three – Spring**

- CA 192 The Fundamentals of the Professional Pastry Bake Shop 1
- CA 191 The Professional Pastry and Bake Shop 8
- CA 205 Spring Capstone: Catering Operation 2
- CA 280 Cooperative Work Experience: Culinary Arts internship 3

Rotation to be determined by instructor.

**General Education classes required for the certificate:**

- WR 115 Introduction to Expository Writing 3
- MTH 052 Introduction to Algebra for the Trades 4
- PSY 101 Psychology of Human Relations OR Human Relations from approved list – page 75 3

Total Certificate Credits 49

**Gainsful Employment: Culinary Arts**

- O*NET Description: http://www.onetonline.org/find/summary/34-3011.00
- O*NET Code: 34-3011.00
- CIP Code: 12.0503
- SOC Code: 35-3011.00
- Tuition/Fees: $3,234 / $367.50
- Books/Supplies: $1,500
- Completion/Placement: N/A
- Median Debt: N/A
DENTAL ASSISTING

Certificate Program
This one year certificate program is to prepare graduates for employment in the dental setting with emphasis on current concepts of clinical chairside assisting. A dental assistant may serve as a clinical chairside assistant, receptionist, bookkeeper, office manager or laboratory technician. Students must show evidence of beginning their immunizations (Hep A & B, MMR and PPD test) and completion of physical exam at the start of the program. Limited enrollment: Call the Dental Assisting Coordinator for more information at 541-440-7814.

All Dental Assisting students are required to complete a division release form. Please check the program page online, or contact any Dental Assisting program instructor or your adviser for more information.

Co-requisites/Prerequisites: These courses must be completed with a grade of C or better prior to beginning the Dental Assisting program:

- MTH 060 (or higher) Introduction to Algebra 4
- PSY 101 Psychology of Human Relations 3
- CIS 120 Introduction to Computer Information Systems 4
- WR 115 (or higher) Introduction to Expos Writing 3

Required Curriculum – Students must maintain a grade of C or better in all required courses to continue in program.

Term One – Fall
- DA 103 Dentistry, Law & Ethics 1
- DA 107 Dental Health Education 1
- DA 110 Health Sciences 3
- DA 115 Dental Anatomy 3
- DA 139 Medical Emergencies in Dental Office 2
- DA 195 Chairside Procedures I/Lab 4

Term Two – Winter
- DA 108 Dental Health Education II 1
- DA 135 Oral Pathology 2
- DA 192 Dental Materials I/Lab 3
- DA 196 Chairside Procedures II/Lab 4
- DA 210 Dental Radiology I/Lab 4
- DA 280 Cooperative Work Experience: Dental Assisting 5

Term Three – Spring
- DA 102 Advanced Clinical Experiences/Lab 4
- DA 111 Dental Terminology 2
- DA 198 Dental Materials II/Lab 2
- DA 199 Dental Office Procedures 3
- DA 211 Dental Radiology II/Lab 3
- DA 280 Cooperative Work Experience: Dental Assisting 5
- Total Certificate Credits 66

EARLY CHILDHOOD EDUCATION

Career Pathway Certificate
Infant/Toddler (Level 1)
The State of Oregon requires individuals working in a licensed child care facility to have at least fourteen (14) college credits of Early Childhood Education. The classes offered in this certification are specific to those seeking to work with infants and toddlers under age three. All credits earned as part of the Early Childhood Certificate may be applied to the Associate’s degree.

This certificate provides students with basic skills in the early care and education of infants and toddlers. It is designed for students just entering the early care and education field, those who wish to focus their education and work experience with infants and toddlers, and for those already employed in child care, but who need an immediate certificate to continue working in an Oregon licensed facility. A student may continue to seek the associate degree seamlessly, since all of the certificate classes are wholly contained within the degree program.

You will earn an Infant/Toddler Career Pathway Certificate by successfully completing the required twenty (20) credit hours with a grade of C or better in all courses. Students will be required to register in the Oregon Registry before beginning coursework and pay for a background history check. Proof of MMR vaccinations is also required for ED 101. CPR and First Aid, and a Food Handler’s Certificate are required before ED 103.

Course of Study

Term One – Fall
- ED 101 ECE Seminar & Practicum I 4
- *HDFS 226 *Infant & Toddler Development 3

Term Two – Winter
- ED 102 ECE Seminar & Practicum II 4
- ED 178 *Observing & Guiding Child Behavior 3

Term Three – Spring
- ED 154 Literature and Language for Children 3
- HDFS 240 Contemporary American Family 3

This will place you at Step 7.5 of the Oregon Registry and meets coursework requirement for the Infant/Toddler CDA and Oregon Infant/Toddler Registry Certificate. The certificate will also assist the student in earning the Child Development Associate Certificate (CDA).

Career Pathway Certificate
Pre-School (Level 1)
This certificate provides students with basic skills in the early care and education of preschool children age two-and-a-half to six years. It is designed for students just entering the early care and education field, those who wish to focus their education and work experience with preschoolers, and for those already employed in child care, but who need an immediate certificate to continue working in an Oregon licensed facility.

You will earn a Pre-School Career Pathway Certificate by successfully completing the required twenty-three (23) credit hours with a grade of C or better in all courses. Students will be required to register in the Oregon Registry before beginning coursework and pay for a background history check. Proof of MMR vaccinations is also required for ED 101. CPR and First Aid, and a Food Handler’s Certificate are required before ED 103.
Early Childhood Education, CONTINUED

Course of Study

Term One – Fall
ED 101 ECE Seminar & Practicum I 4
HDFS 240 Contemporary American Family 3

Term Two – Winter
ED 102 ECE Seminar & Practicum II 4
*ED 178 *Observing & Guiding Child Behavior 3
*HDFS 225 *Child Development 3

Term Three – Spring
ED 154 Literature and Language for Children 3
ED 244 Individualized Learning for Preschoolers 3

This will place you at Step 7.5 of the Oregon Registry. The certificate will also assist the student in earning the Child Development Associate Certificate (CDA).

Early Childhood Education Career Pathway Certificate of Completion (Level 2)

This certificate provides students with the skills needed in the early care and education of children infant to age six years. It is designed for students just entering the early care and education field, those who wish to focus their education and work experience with preschoolers, and for those already employed in child care, but who need an immediate certificate to continue working in an Oregon licensed facility. A student may continue to see the UCC One-Year Early Childhood Education Certificate, the Associate of Applied Science degree or the Associate of Science degree, seamlessly, since all of the certificate classes are wholly contained within the degree programs.

You will earn a Early Childhood Education Career Pathway Certificate by successfully completing the required thirty-four (34) credit hours with a grade of C or better in all courses. Students will be required to register in the Oregon Registry before beginning coursework and pay for a background history check. Proof of MMR vaccinations is also required for ED 101. CPR and First Aid, and a Food Handler’s Certificate are required before ED 103.

Course of Study

Term One – Fall
ED 101 ECE Seminar & Practicum I 4
ED 140 Introduction to Early Childhood Education 2
*HDFS 226 *Infant & Toddler Development 3

Term Two – Winter
ED 102 ECE Seminar & Practicum II 4
ED 150 *Creative Activities 3
ED 169 Overview of Students with Special Needs 3
ED 178 *Observing & Guiding Child Behavior 3

Term Three – Spring
ED 154 Literature and Language for Children 3
ED 240 Lessons and Curriculum Planning 3
ED 244 Individualized Learning for Preschoolers 3
ED 258 Multicultural Education 3

One-Year Certificate

Early Childhood Education

This program prepares students to work with preschool age children as teachers or aides. Graduates are trained to work in a variety of educational and child care settings, including nursery schools, preschools, in child care homes and centers, and as a nanny.

Course work and practical work experience emphasize knowledge of normal growth and development of young children, guidance skills, and the planning and directing of activities for children which foster positive intellectual, social, emotional and physical development. Many of the courses are also excellent for parents or others who work with young children.

You will earn a One-Year Early Childhood Education Certificate by successfully completing the required forty-seven (47) credit hours with a grade of C or better in all courses.

* Indicates classes taught only once a year
** A grade of C or better must be attained in these courses.
Associate of Applied Science
Early Childhood Education

The Early Childhood Education associate degree program prepares students to work with preschool and school-aged children in both public and private school settings. This program is designed for persons of all ages and backgrounds, with special attention given to individual student needs and abilities.

Graduates are trained to work in a variety of educational and child care settings including nursery school, nanny, preschool, day care, private kindergarten, and as paraprofessionals in the public schools.

Course work and practical work experience emphasize knowledge of normal growth and development of young children, guidance skills, and the planning and directing of activities for children which foster positive intellectual, social, emotional and physical development. Many of the courses are also excellent for parents or others who work with young children.

The student is required to complete and pay for a background history check through the Oregon Childcare Registry and MMR vaccination before beginning ED 101. CPR and First Aid is required before ED 102.

Required Curriculum

Term One – Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ED 101</td>
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<tr>
<td>ED 140</td>
<td>*Introduction to Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>HDFS 226</td>
<td>*Infant &amp; Toddler Development</td>
<td>3</td>
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<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations</td>
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<tr>
<td>WR 121</td>
<td>English Composition</td>
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Term Two – Winter

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<tr>
<td>ED 102</td>
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<tr>
<td>ED 150</td>
<td>*Creative Activities</td>
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<td>HDFS 225</td>
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Term Three – Spring

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<tr>
<td>HDFS 228</td>
<td>*The Exceptional Child</td>
<td>3</td>
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<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
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<tr>
<td>PSY 130</td>
<td>*Understanding Child Behavior</td>
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Term Four – Fall

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<tr>
<td>ED 104</td>
<td>ECE Seminar &amp; Practicum IV</td>
<td>4</td>
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<tr>
<td>HDFS 240</td>
<td>Contemporary American Family</td>
<td>3</td>
</tr>
<tr>
<td>MTH 060 (or higher)</td>
<td>Introduction to Algebra</td>
<td>4</td>
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<tr>
<td>SOC 205</td>
<td>Institutions and Social Change</td>
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Term Five – Winter

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<td>ED 247</td>
<td>*Administration of Child Care Centers</td>
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<td>FN 230</td>
<td>Personal Nutrition</td>
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<tr>
<td>MUS 202</td>
<td>**Introduction to Music &amp; Its Literature</td>
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Term Six – Spring

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<td>ECE Seminar &amp; Practicum VI</td>
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<tr>
<td>ED 154</td>
<td>*Literature and Language for Children</td>
<td>3</td>
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<tr>
<td>ED 240</td>
<td>*Lesson &amp; Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>ED 244</td>
<td>*Individual Learning for Preschoolers</td>
<td>3</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Race, Class &amp; Ethnicity</td>
<td>3</td>
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<td></td>
<td>Total Degree Credits</td>
<td>92</td>
</tr>
</tbody>
</table>

* Indicates classes taught only once a year
** MUS 105, 201, 203, 204, 205 may be substituted in different terms

EDUCATION – PARAEDUCATOR (INSTRUCTIONAL ASSISTANT)

Certificate
Paraeducator

Students who complete this one-year certificate program will be prepared to enter the K-12 school system successfully as paraeducators (instructional assistants) and will demonstrate the following outcomes through successful completion of required courses:

- Demonstrate appropriate strategies and techniques to provide instructional support to students of diverse populations, including but not limited to students with special needs, students from poverty, and ELL students;
- Demonstrate attitudes and behaviors that are appropriate to meeting the needs of diverse populations;
- Apply best practices in classroom management to optimize the potential for student learning;
- Practice ethical and legal standards of conduct;
- Apply technology effectively to support teaching learning;
- Demonstrate competence in core skill area; written and oral communication, problem-solving, critical thinking, reading, and mathematics.

This curriculum is an Oregon Department of Education statewide approved program that meets the requirements of the No Child Left Behind Federal Legislation for “Highly Qualified Status”. The core curriculum offers instruction in basic teaching strategies for language arts, math, and science. It also develops skills in working with diverse, special needs populations, using technology, and applying classroom management strategies. Practicum and Cooperative Work Experience in schools are required. In addition, general education courses in human relations, communication, and computation are incorporated. The curriculum is available through distance education courses as well as face-to-face courses. A background history check is required for ED 100 and CWE 280 and all courses requiring classroom observations.

Course of Study

Students must meet, at a minimum, the competence equivalencies of the following core courses:

- CIS 120 Introduction to Computer Information Systems 4
- MTH 060 Introduction to Algebra 4
- WR 115 Introduction to Expository Writing 3
- RD 090 College Text Reading 3

If competence is met through testing, credit in core courses must be met through higher level courses.
Paraeducator Certificate, CONTINUED

All coursework listed below is required which includes a minimum of 36 credits in education classes. The following is an example of a term-by-term breakdown. Other credits may include core courses listed above if competence equivalencies have not been met.

Term One – Fall
ED 100  *Introduction to Education  3
ED 130  Classroom Management  3
ED 131P  Instructional Strategies  3

Term Two – Winter
ED 113  Instructional Strategies in Language Arts  3
ED 169  Students with Special Needs  3
ED 200  Foundations in Education  3
ED 280  **Cooperative Work Experience: Education or Practicum  1-3

Term Three – Spring
ED 114  Instructional Strategies in Math/Science  3
ED 235  Educational Technology  3
ED 258  Multicultural Education  3
ED 280  **Cooperative Work Experience: Education or Practicum  1-3

* A criminal history check is required before a student can begin Introduction to Education and participate in the practicum and Cooperative Work Experience.

** A Cooperative Work Experience is designed to provide experience in the classroom and an opportunity to apply skills developed through coursework. (A minimum of three (3) credits in Cooperative Work Experience is required for completion of the certificate.)

EMERGENCY MEDICAL SERVICES

Associate of Applied Science

The Emergency Medical Services department offers career training for entry-level positions in emergency medical settings. Ambulance companies, fire departments, police departments, and various other industries requiring emergency medical services may employ emergency medical technicians. After successful completion of all requirements for EMT-Basic, Intermediate, or Paramedic training, the student is eligible to apply to take the respective state certification exams. The department also offers training for First Responders and EMS continuing education.

The program has been designed to be completed in two years if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. This program has special admission requirements and enrollment limits. Please see the EMS department for admission requirements and to advise your course outline for the program.

All Emergency Medical Services students are required to complete a division release form. Please check the program page online, or contact any Emergency Medical Services program instructor or your adviser for more information.

Program prerequisites and requirements

The EMT Basic certification is offered in a two-term format known as EMT A and EMT B. An accelerated EMT Basic is also offered. Successful completion of either the two terms or accelerated EMS Basic program qualifies the student to take the national/state certification examination. Admission to the EMT Basic A and B levels is open to the general student population. However, the following prerequisites must be turned into the EMS office prior to registration.

1. Must be a minimum of 18 years of age prior to application for examination.
2. Must have a high school diploma or GED.
3. Placement test scores less than five years old or transcript with course completion. Placement into or completion of Reading 90 with a grade of C or better. Placement into or completion of WR 115 with a grade of C or better. Placement into or completion of MTH 020 with a grade of C or better.
4. Must have documented results of: TB exam (within 6 months), MMR (measles, mumps, rubella immunity) if born after 12-31-1956, Tetanus (within the past 5 years), Hepatitis B immunization series started, Varicella (chicken pox immunity).

The EMT Intermediate certification is offered in a two-term format as well as an accelerated format. Successful completion of either format will qualify the student to take the state certification examination. EMT Intermediate is offered only as a non-credit class.

1. Must be a minimum of 18 years of age.
2. Must have a high school diploma or GED.
3. Placement test scores less than five years old or transcript with course completion. Placement into or completion of Reading 90 with a grade of C or better. Placement into or completion of WR 115 with a grade of C or better. Placement into or completion of MTH 065 with a grade of C or better.
4. Must have documented results of: TB exam (within 6 months), MMR (measles, mumps, rubella immunity) if born after 12-31-1956, Tetanus (within the past 5 years), Hepatitis B immunization series started, Varicella (chicken pox immunity).

5. EMT Intermediate candidates must also be sponsored by a physician adviser and be affiliated with an EMS agency.

Admission to the Paramedic program requires the student to make a separate application through the EMS department. The application will be available from the first day of Winter term to the last day of Winter term. Admission to the Paramedic A course will be based upon:

1. Applicant must have an accumulative GPA of 2.00 or higher.
2. Applicants must be enrolled, or have completed. BI 231, BI 232, BI 233, WR 121, MTH 095, EMS 151, EMS 152, EMS 170, EMS 171, EMS 175, EMS 180, and MED 111 with a grade of C or better. Please note: If the applicant is currently enrolled in above classes and making satisfactory progress they will be considered for admission.
3. Must have documented results of: TB exam (within 6 months), MMR (measles, mumps, rubella immunity) if born after 12-31-1956, Tetanus (within the past 5 years), Hepatitis B immunization series started, Varicella (chicken pox immunity).
4. Up to eighty percent of those accepted will be residents of the UCC district, at the time of application.
5. Applicants must complete the physical application and pass an oral interview in order to be considered for acceptance into the Paramedic Program.
Program restrictions:

Convictions of a felony, drug usage, or distribution may result in the State of Oregon EMS Office withdrawing the privilege of taking any EMS or Paramedic certification examination. It is also cause for the revoking of certification by the EMS Office.

Because of limited space in the Paramedic program, applications for admission will be evaluated based on relative ranking of students’ prerequisites. The EMS Program Coordinator will have the final decision in acceptance of a candidate. Applications for the EMS Paramedic Associate of Applied Science degree program may be picked up at the EMS Program office in PE 7.

You may earn an Associate of Applied Science degree by successfully completing the required credit hours with a grade of C or better (Grade of C is 75% or higher in EMT designated classes) in all courses:

Required/Recommended courses

<table>
<thead>
<tr>
<th>General Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 231</td>
</tr>
<tr>
<td>BI 232</td>
</tr>
<tr>
<td>BI 233</td>
</tr>
<tr>
<td>CIS 120</td>
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<tr>
<td>HPE 295</td>
</tr>
<tr>
<td>MTH 095</td>
</tr>
<tr>
<td>PSY 101</td>
</tr>
<tr>
<td>SP 111 (or higher)</td>
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<tr>
<td>WR 121</td>
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<td>Fine Arts Elective</td>
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<table>
<thead>
<tr>
<th>Technical Courses</th>
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<tbody>
<tr>
<td>EMS 151</td>
</tr>
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<td>EMS 152</td>
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<td>EMS 171</td>
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<td>FRP 201 C</td>
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<tr>
<td>MED 111</td>
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**EMPLOYMENT SKILLS TRAINING**

Certificate of Completion

The Employment Skills Training Program offers students the opportunity to receive a state-approved credential for completion of an individualized 12-44 credit program that leads to the skills and knowledge necessary for employment in a variety of occupations and career fields.

After completing placement exams and consulting with the Director of Advising, students who enroll in the program work with instructional departments and the Registrar to develop an individualized program of study from UCC’s college-level credit classes. A Certificate of Completion is awarded after the student successfully completes the prescribed courses in the approved training plan.

**ENGINEERING TECHNOLOGY**

All Engineering Technology students are required to complete a division release form. Please check the program page online, or contact any Engineering Technology program instructor or your adviser for more information. The Engineering department is currently working to develop additional offerings in Water/Wastewater Management – please contact the department for more information.

**Career Pathways Certificate**

**DRAFTING TECHNOLOGY**

The Drafting Technology program is a technical curriculum designed to assist students in acquiring basic skills and knowledge necessary to successfully enter engineering, drafting, and surveying technician occupations. Courses are also available to prepare for beginning a career in water quality operations.

Engineering Technology offers three paths of entry into a career in engineering and surveying: 1) a Drafting Pathways Certificate, 2) a one-year Engineering and Drafting Technician certificate of completion, and 3) a second year of coursework to acquire an AAS degree in Civil Engineering and Surveying Technology.

The focus of the engineering technology program is applied courses to prepare students for entry into the workforce. The technology program can also serve as a pre-engineering transfer pathway for students that decide to continue their education in the future. Students may be able to transfer to an engineering program at a transfer university after a third year of course work at UCC, if calculus math electives are selected during the second year of the program. It is strongly recommended that prospective students see an engineering faculty or academic advisor to develop their educational and career plan.

**Required Curriculum**

**Term One – Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>DRF 112</td>
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</tr>
<tr>
<td>MTH 111</td>
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<td><strong>Term Two – Winter</strong></td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRF 113</td>
<td>3</td>
</tr>
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<td><strong>Term Three – Spring</strong></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRF 116</td>
<td>3</td>
</tr>
<tr>
<td>DRF 245</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total for Pathways Certificate</strong></td>
<td>16</td>
</tr>
</tbody>
</table>
Career Pathways Certificate
Drafting Technology, CONTINUED

Skilled Computer-Aided Design (CAD) operators find careers in engineering, architecture, construction, manufacturing, graphical design, and many other fields. A career in drafting is often an entry point into design, engineering, management and other related areas with salary increases based on skill and experience. Drafters make detailed drawings of objects that will be manufactured or built. Examples include architectural drafting of buildings and structures; civil drafting of highways, bridges, pipelines, site plans, and maps; electrical drafting of wiring and layout diagrams; and mechanical drafting of machinery and mechanical devices.

Students that successfully complete a drafting pathways certificate will be proficient in use of AutoCAD and SolidWorks software and be adaptable to other software; producing 2-D and 3-D drawings with CAD software; solids modeling; structural drafting; and college algebra.

All courses in the drafting program align with the one-year certificate as an Engineering and Drafting Technician and the AAS degree in Civil Engineering and Surveying Technology.

Certificate
Engineering and Drafting Technician
The one-year completion certificate prepares students to seek employment as entry-level engineering and drafting technicians. The curriculum includes a broad range of courses for entry into a wide-range of engineering specialties, including architectural, civil, electronics, environmental, forestry, mechanical, manufacturing, surveying, and other fields. Drafting courses include courses in AutoCAD, SolidWorks, Civil 3D and ArcGIS. Basic engineering problem-solving and computer skills are developed. An introductory surveying course is included in the program. All courses in the Engineering and Drafting Technician program align with the AAS degree in Civil Engineering and Surveying Technology.

Required Curriculum

<table>
<thead>
<tr>
<th>Term One – Fall</th>
<th>Term Two – Winter</th>
<th>Term Three – Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRF 112</td>
<td>DRF 113</td>
<td>DRF 114</td>
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<tr>
<td>ENGR 111</td>
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<td>WR 121</td>
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<td>DRF 245</td>
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<td></td>
<td>MTH 112</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUR 161</td>
</tr>
</tbody>
</table>

Total for One Year Certificate 46

Associate of Applied Science
Civil Engineering and Surveying Technology Program

Upon completion of the AAS degree, students will be prepared to seek employment as either engineering technicians or surveying technicians. The field of civil engineering deals with planning, design, construction and maintenance of structures and utilities. Civil engineering projects may include highways, bridges, buildings, dams, subdivisions, water supply and wastewater systems. Surveying projects may include property surveys, road construction surveys, topographical surveys or building layout. The surveying curriculum offers a hands-on approach to learning principles of surveying. The surveying curriculum helps prepare students for taking the Fundamentals of Surveying exam after two years of work experience, for those that wish to pursue licensing as a professional land surveyor. Students interested in completion of a Bachelor of Science degree in Civil Engineering should either enroll in the transfer program instead of the technology program, or expect to take at least a third year of additional coursework prior to transfer, depending on level of math completed. Students completing the first year of coursework for the AAS degree program will qualify to be awarded a Drafting Pathways Certificate and Engineering and Drafting Technician Completion Certificate.

Program electives are offered the second year to provide students with alternatives for career and education pathways. Prospective students should meet with an engineering faculty or academic advisor to develop their educational and career plan.

All Civil and Surveying Engineering students are required to complete a division release form. Please check the program page online, or contact any Civil and Surveying Engineering program instructor or your adviser for more information.

Required Curriculum

<table>
<thead>
<tr>
<th>Term One – Fall</th>
<th>Term Two – Winter</th>
<th>Term Three – Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRF 112</td>
<td>DRF 113</td>
<td>DRF 114</td>
</tr>
<tr>
<td>ENGR 111</td>
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<td>MTH 112</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUR 161</td>
</tr>
</tbody>
</table>

Total for One Year Certificate 46

General Education Requirements. A minimum of 45 credit hours must be completed to receive a Completion Certificate. If student places higher than Math 95, student will need to take approved electives from the following list. See UCC Advising Services.

Engineering Program Requirements. Student must complete all required credit hours with a grade of C or better in all courses.

Engineering Program Electives. Choose from the following if an elective is required to complete 45 credit hours for completion certificate. It is recommended that students take math electives.

- MTH 251 Calculus I 4
- MTH 252 Calculus II 4
- MTH 253 Calculus III 4
- MTH 243 Probability & Statistics 4
- CH 104 Introductory Chemistry I 4
- CH 105 Introductory Chemistry II 4
- CH 221 General Chemistry I 5
- CH 222 General Chemistry II 5

- MTH 095 Pre-Algebra 4
- MTH 105 College Algebra 4
- MTH 111 College Algebra 4
- MTH 112 Elementary Functions 4
- MTH 113 Elementary Functions 4
- MTH 114 Computer Aided Drafting - Civil 3D 3
- MTH 115 Computer Aided Drafting - Structural 3
- MTH 121 College Algebra 4
- MTH 122 College Algebra 4
- MTH 123 College Algebra 4
- MTH 124 College Algebra 4
- MTH 125 College Algebra 4
- MTH 126 College Algebra 4
- MTH 127 College Algebra 4
- MTH 128 College Algebra 4
- MTH 129 College Algebra 4
- MTH 130 College Algebra 4
- MTH 131 College Algebra 4
- MTH 132 College Algebra 4
- MTH 133 College Algebra 4
- MTH 134 College Algebra 4

- ENGR 111 Engineering Orientation I 3
- ENGR 112 Engineering Orientation II 3
- ENGR 113 Engineering Orientation III 3
- ENGR 114 Engineering Orientation IV 3
- ENGR 115 Engineering Orientation V 3
- ENGR 116 Engineering Orientation VI 3
- ENGR 117 Engineering Orientation VII 3
- ENGR 118 Engineering Orientation VIII 3
- ENGR 119 Engineering Orientation IX 3
- ENGR 120 Engineering Orientation X 3
- ENGR 121 Engineering Orientation XI 3
- ENGR 122 Engineering Orientation XII 3
- ENGR 123 Engineering Orientation XIII 3
- ENGR 124 Engineering Orientation XIV 3
- ENGR 125 Engineering Orientation XV 3
- ENGR 126 Engineering Orientation XVI 3
- ENGR 127 Engineering Orientation XVII 3
- ENGR 128 Engineering Orientation XVIII 3
- ENGR 129 Engineering Orientation XIX 3
- ENGR 130 Engineering Orientation XX 3
- ENGR 131 Engineering Orientation XXI 3
- ENGR 132 Engineering Orientation XXII 3
- ENGR 133 Engineering Orientation XXIII 3
- ENGR 134 Engineering Orientation XXIV 3
- ENGR 135 Engineering Orientation XXV 3
- ENGR 136 Engineering Orientation XXVI 3
- ENGR 137 Engineering Orientation XXVII 3
- ENGR 138 Engineering Orientation XXVIII 3
- ENGR 139 Engineering Orientation XXIX 3
- ENGR 140 Engineering Orientation XXX 3
- ENGR 141 Engineering Orientation XXXI 3
- ENGR 142 Engineering Orientation XXXII 3
- ENGR 143 Engineering Orientation XXXIII 3
- ENGR 144 Engineering Orientation XXXIV 3
- ENGR 145 Engineering Orientation XXXV 3
- ENGR 146 Engineering Orientation XXXVI 3
- ENGR 147 Engineering Orientation XXXVII 3
- ENGR 148 Engineering Orientation XXXVIII 3
- ENGR 149 Engineering Orientation XXXIX 3

www.umpqua.edu
### Term Three – Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>WQT 261</td>
<td>General Education Courses:</td>
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<tr>
<td>WQT 225</td>
<td>Wastewater and Storm Collection</td>
<td>3</td>
</tr>
<tr>
<td>WQT 260</td>
<td>Water Treatment</td>
<td>3</td>
</tr>
<tr>
<td>CIV 223</td>
<td>Properties of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 213</td>
<td>Strength and Materials</td>
<td>4</td>
</tr>
<tr>
<td>MTH 252</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 253</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MTH 261</td>
<td>Linear Algebra</td>
<td>2</td>
</tr>
<tr>
<td>MTH 243</td>
<td>Probability &amp; Statistics</td>
<td>4</td>
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<tr>
<td>PH 213</td>
<td>Physics III W/Calculus</td>
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### Term Three – Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>WQT 261</td>
<td>General Education Courses:</td>
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</tr>
<tr>
<td>WQT 225</td>
<td>Wastewater and Storm Collection</td>
<td>3</td>
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<tr>
<td>WQT 260</td>
<td>Water Treatment</td>
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<tr>
<td>CIV 223</td>
<td>Properties of Materials</td>
<td>3</td>
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<tr>
<td>ENGR 213</td>
<td>Strength and Materials</td>
<td>4</td>
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<tr>
<td>MTH 252</td>
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<tr>
<td>MTH 253</td>
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<tr>
<td>MTH 261</td>
<td>Linear Algebra</td>
<td>2</td>
</tr>
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<td>MTH 243</td>
<td>Probability &amp; Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PH 213</td>
<td>Physics III W/Calculus</td>
<td>5</td>
</tr>
</tbody>
</table>

### FIRE SCIENCE

#### Associate of Applied Science

Umpqua Community College offers an Associate in Fire Science degree which provides two alternatives. First, the degree prepares you to qualify for the specialized demands of a highly diversified and technological society, and thereby gain employment as a firefighter as a result of the training.

Second, it provides the first two years of a four-year degree in Fire Science Administration at Western Oregon State or Eastern Oregon State.

For current program requirements, you are strongly urged to consult with the department or an adviser.

Program participants must meet the following criteria:

2. Not have been convicted by any state or federal government of a crime, the punishment for which could have been imprisonment in a federal or state prison.
3. Be of good moral character as determined by a thorough background investigation.
4. Be capable of passing a series of basic physical agility tests.
5. Possess a valid Oregon driver’s license with an acceptable driving record.

To obtain an AAS degree in Fire Science 93 credits are required: 62 credits in Fire Science and 30 credits in General Education. Due to continually changing laws and regulations mandated by Oregon’s Occupational Safety and Health Administration (OR-OSHA), DPSST, and the National Fire Protection Association (NFPA), students may be required to add, modify, or delete courses and/or hours to the curriculum to meet current standards. See your adviser for current requirements. All courses require a grade of C or better.

All Fire Science students are required to complete a division release form. Please check the program page online, or contact any Fire Science program instructor or your adviser for more information.

#### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR 121</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>MTH 095</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
<tr>
<td>SP 111 or</td>
<td>Fundamentals of Public Speaking OR</td>
<td>3</td>
</tr>
<tr>
<td>SP 218 or</td>
<td>Interpersonal Communication OR</td>
<td>3</td>
</tr>
<tr>
<td>SP 219</td>
<td>Small Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>MTH 261</td>
<td>Science Elective (CH, GS, PH)</td>
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</tr>
</tbody>
</table>
### FIRE SCIENCE, CONTINUED

**Applied Courses**
- WR 122 English Composition 3
- CIS 120 Introduction to Computer Information Systems 4
- WR 227 Technical Report Writing 3

**Technical Courses Required**
- EMS 151 EMT Basic A 5
- EMS 152 EMT Basic B 5
- FRP 201A Fire Rescue Practices – Rough Terrain 1
- FRP 201B Fire Rescue Practices – Swift Water 1
- FRP 201C Fire Rescue Practices – Vehicle Extrication 1
- FRP 213 Firefighting Tactics & Strategy 3
- FRP 121 Elementary Science for Firefighters 4
- FRP 122 Fundamentals of Fire Prevention 2
- FRP 230 Fire Service Hydraulics 4
- FRP 132 Pump Construction 3
- FRP 123 Hazardous Materials 4
- FRP 280 Fire Related Skills 12
- FRP 212 Fire Investigation 3
- FRP 111 Building Construction for Fire Suppression 2
- FRP 202 Fire Protection Systems/Extinguishers 3
- FRP 163 NFPA Fire Instructor I 2
- FRP 101 Firefighter Safety & Survival 2
- FRP 133 Natural Cover Fire Protection 3
- FRP 240 Water Distribution Systems 3
- **Total Degree Credits** 93

**Recommended Electives**
- FRP 263 NFPA Fire Instructor II 2
- FRP 151A CPAT 3
- FRP 151B CPAT 3
- FRP 201D Swift Water Advance 2
- FRP 270 Fire Officer I A 4
- FRP 271 Fire Officer I B 4
- FRP 290 Fire Officer II A 4
- FRP 291 Fire Officer II B 4
- EMS 251 EMT Paramedic A 10
- EMS 252 EMS Paramedic B 8
- EMS 253 EMS Paramedic C 8
- EMS 254 EMS Paramedic D 6

### FITNESS TECHNICIAN

To prepare students as fitness professionals for various careers in the fitness industry. This is a one-year certificate, which can be started any term (fall, winter, spring). The program also prepares the student to take the ACE National Certification Exam for Professional Trainers.

**Certificate**
**Fitness Technician**

**Required Curriculum**

**Term One – Fall**
- FN 225 or Human Nutrition OR 4
- FN 230 Personal Nutrition 3
- MTH 065 (or higher) Elementary Algebra 4
- PE 280 Cooperative Work Experience: Fitness Center Technician 2
- PE 185Y Yoga 1
- PE 194F Fitness Assessment and Exercise Prescription 2
- WR 115 (or higher) Introduction to Expository Writing 3
- HPE 295 Wellness & Health Assessment 3
- PE 280 Cooperative Work Experience: Fitness Center Technician 1
- PE 185S Step and Pump 1
- PE 290 Fitness Instructor 3
- Human Relations from approved list – page 75 3

**NOTE:** CH 112 Chemistry for Health Occupations (5 cr) recommended but not required.

**Term Three – Spring**
- HE 252 First Aid 3
- PE 135 Anatomy & Physiology for Fitness 4
- PE 185A Aerobic Fitness 1
- PE 280 Cooperative Work Experience: Fitness Center Technician 3
- PE 194S Principles of Strength Training and Conditioning Instruction 2
- SP 105 or Listening OR 3
- SP 111 or Fundamentals of Public Speaking OR 3
- SP 218 Interpersonal Communication 3
- **Total Certificate Credits** 42-48

---

**Gainful Employment: Fitness Technician**

<table>
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<tr>
<th>O*NET Occupation:</th>
<th><a href="http://www.onetonline.org/link/summary/39-9031.00">http://www.onetonline.org/link/summary/39-9031.00</a></th>
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<tr>
<td>OPEID: 001222</td>
<td>CIP Code: 13.1314</td>
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<tr>
<td></td>
<td>SOC: 39-9031</td>
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<tr>
<td>Tuition/Fees:</td>
<td>$5,102 / $552.50</td>
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<td>Completion/Placement:</td>
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<td></td>
<td>Medium Debt: N/A</td>
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</tbody>
</table>
**GREEN TECHNOLOGY**

The Oregon Green Technology Certificate is funded by a grant from the U.S. Department of Labor and as a result have special admission requirements. The certificate prepares entry-level employees with the foundation skills needed in a variety of industries that are associated with or support green jobs. The certificate is designed to meet the unique needs of rural Oregon, where companies tend to be smaller, many occupations may have one or two local job openings, and employers need workers who have basic technical skills that can transfer to different kinds of work and work settings as employer requirements and labor market demands shift. In addition to technical skills, students will also receive specific instruction in sustainability and green practices.

The certificate will serve as a solid foundation for individuals wishing to increase their skills via additional education or on-the-job training in occupations such as millwright or electrical apprentice-ships, industrial machinery mechanics and equipment installers and technicians. The certificate will also serve as excellent preparation for graduates wishing to increase their skills via additional education or on-the-job training for a variety of “Green Occupations” such as wind turbine technicians, energy systems auditors, photo-voltaic solar technicians and installers, as well as water energy technicians.

The program is a partnership between The Oregon Consortium, local Workforce Investment Act service providers such as Umpqua Training and Employment and eight Oregon community colleges. The nine colleges deliver the program jointly using a combination of online instruction and hands-on labs. The core content and related instruction will be 42 credits, plus three credits of elective courses. The program content is standardized and fully transferable across/ among the participating colleges. Participating Colleges:

- Blue Mountain Community College
- Clatsop Community College
- Columbia Gorge Community College
- Klamath Community College
- Southwestern Oregon Community College
- Tillamook Bay Community College
- Treasure Valley Community College
- Umpqua Community College

The primary intended outcome of the Green Certificate program is placement in a variety of entry-level positions across a number of industry sectors, building an in-demand set of skills that will allow program graduates to advance rapidly in a variety of current and emerging occupational areas across Oregon’s rural communities.

**NOTE:** Enrollment into this closed-enrollment program requires sponsorship with a referral from Umpqua Employment and Training. For referral information, contact Stephe Reid at 541-677-1623 or stephe@ute1stop.org.

### Certificate
**Green Technology**

#### Term One – Winter

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GT 101</td>
<td>Introduction to Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>GT 102</td>
<td>Industrial Safety</td>
<td>2</td>
</tr>
<tr>
<td>GT 103</td>
<td>Mechanical Systems</td>
<td>3</td>
</tr>
<tr>
<td>GT 104</td>
<td>Electrical Systems Troubleshooting I</td>
<td>3</td>
</tr>
<tr>
<td>GT 105 or MTH 052</td>
<td>Applied Math/Workplace Math</td>
<td>4</td>
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</tbody>
</table>

#### Term Two – Spring

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT 106</td>
<td>Introduction to Green Technologies</td>
<td>2</td>
</tr>
<tr>
<td>GT 107</td>
<td>Electrical Systems Troubleshooting II</td>
<td>3</td>
</tr>
<tr>
<td>GT 108</td>
<td>Building Systems</td>
<td>2</td>
</tr>
<tr>
<td>GT 109</td>
<td>HVACR Systems Operations</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CERTIFICATE CREDITS: 45**

### HEALTH INFORMATICS

This program will prepare graduates to work in an emerging occupation in the health care industry. Health Informatics is a new high-demand occupation that encompasses many different positions and skills. Individuals who earn this degree will be able to fill a variety of entry-level positions within any health care organization related to the use of technology in the management and delivery of health care services. This degree focuses on providing the student with basic knowledge of the healthcare industry as well as the skills necessary to use various technologies in a healthcare setting.

All Health Informatics students are required to complete a division release form. Please check the program page online, or contact any Health Informatics program instructor or your adviser for more information.

**Associate of Applied Science Degree**

**Term One – Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 211</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BA 214</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 122</td>
<td>Introduction to Programming</td>
<td>4</td>
</tr>
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</table>

**Term Two – Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 135</td>
<td>Application Development for Micros</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140M</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 245</td>
<td>Project Management</td>
<td>4</td>
</tr>
<tr>
<td>MED 110</td>
<td>Health Information Technology I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Term Three – Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 125D</td>
<td>Microcomputer Applications-Database</td>
<td>3</td>
</tr>
<tr>
<td>CIS 151C</td>
<td>Networking Essentials</td>
<td>4</td>
</tr>
<tr>
<td>CIS 275</td>
<td>Adv DBMS Programming I</td>
<td>4</td>
</tr>
<tr>
<td>MED 182</td>
<td>Health Care Delivery Systems</td>
<td>3</td>
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</table>

**Term Four – Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 276</td>
<td>Adv DBMS Programming II</td>
<td>4</td>
</tr>
<tr>
<td>MED 283</td>
<td>Health Information Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CERTIFICATE CREDITS: 45**
HEALTH INFORMATICS
Associate of Applied Science Degree, CONTINUED

Term Five – Winter

*General Education-Approved Required Related Instruction 8
**Health Informatics-Approved Electives 6
MED 285 Healthcare Financing and Compliance 3

Term Six – Spring

**Health Informatics-Approved Electives 6
CIS 244 Systems Analysis and Design 4
CIS 280D Cooperative Work Experience: Computer Information Systems 4
MED 111 Medical Terminology I 3
Total Degree Credits 96

*General Education-Approved Related Instruction

MTH 105 (or higher) Introduction to Contemporary Mathematics 4
WR 121 English Composition 3
WR 122 English Composition 3
WR 227 Technical Report Writing 3
PSY 101 Psychology of Human Relations 3

**Health Informatics-Approved Electives:

CIS 140L Introduction to Operating Systems-Linux 4
CIS 140M Introduction to Operating Systems-MS 4
CIS 151C ***Network Fundamentals (Cisco 1) 4
CIS 152C Routing Protocols & Concepts (Cisco 2) 4
CIS 153C Intermediate Routing & Switching (Cisco 3) 4
CIS 154C Wide Area Network Protocols (Cisco 4) 4
CIS 240M MS Windows Server Administration 4
CIS 279M Network Management 4
CIS 284 Network Security 4
GS 104 General Science 4
CH 104 Introduction to Chemistry 4

*** Listed as an elective for students transferring to UCC from another institution.

A typical program plan includes the following required courses and electives:

Term One – Fall

HS 100 Introduction to Human Services 3
HS 150 Personal Effectiveness Human Services 3
WR 121 *English Composition 5 3
SOC 204 Introduction to Sociology 5 3
Approved Elective (see list following) 3

Term Two – Winter

HS 154 Community Resources 5 3
HS 155 #Counseling Skills I 3
HS 227 Understanding Dysfunctional Families 5 3
WR 122 *English Composition 5 3
SP 218 or Interpersonal Communication OR 3
PSY 101 Psychology of Human Relations 5 3

Term Three – Spring

HS 226 #Ethics and Law 3
HS 267 Cultural Competence Human Services 5 3
WR 227 Technical Report Writing 5 3
MTH 052 (or higher) Introduction to Algebra for the Trades 4
Approved Elective (see list following) 2 or 3

Summer Term (optional)

Approved Elective (see list following)

Term Four – Fall

HS 280 #Cooperative Work Experience: Human Services 3
PSY 201 General Psychology 5 3
Approved Elective (see list following) 3
Approved Elective (see list following) 3
Approved Elective (see list following) 3

Term Five – Winter

HS 229 Crisis Intervention and Prevention 3
HS 266 Case Management for Human Services 3
HS 280 #Cooperative Work Experience: Human Services 3
PSY 202 General Psychology 5 3
Approved Elective (see list following) 3

Term Six – Spring

HS 280 #Cooperative Work Experience: Human Services 3
PSY 203 General Psychology 5 3
Approved Elective (see list following) 3
Approved Elective (see list following) 3
Approved Elective (see list following) 3
Total Degree Credits 90

Note: Program requirements include 36 credits in HS Core Requirements, 28 credits in General Education Requirements, and 26 credits in HS Approved Electives, for a total of 90 credits.

HUMAN SERVICES
Associate of Applied Science Degree

The Human Services program offers training for entry-level positions in social service agencies. It is a two-year program which combines academic coursework with supervised field work. Note: Students expecting to continue on to attain a B.A. or B.S. should consider the AAOT or AS – Human Services Program- see the Transfer section in this catalog for more details.

The AAS program focuses on the general study and provision of human and social services to individuals and communities and prepares individuals to work in public and private human services agencies and organizations. Human Services coursework includes instruction in the social sciences, psychology, principles of social service, social services law and administration, and applications to particular issues, services, localities, and populations.
+Approved Electives:

**Fall Term:**

- HS 102  #Addiction Pharmacology 2  3
- HS 217  #Group Counseling Skills 3  3
- HS 280  #Cooperative Work Experience: Human Services 4  3-4
- HS 298  Independent Studies: Human Services 1-3
- ANTH 221 Cultural Anthropology 3
- CJ 101 Introduction to Criminology 2/3  3  (Online)
- CJ 243 Narcotics and Dangerous Drugs 3
- CJ 261 Introduction to Parole and Probation 3
- HDFS 201 Individual and Family Development 5  3
- HDFS 240 Contemporary American Family 5  3
- SPAN 101/201 Spanish 6  4

**Winter Term:**

- HS 144 Creating Effective Programs 1
- HS 280  #Cooperative Work Experience: Human Services 4  3-4
- HS 298  Independent Studies: Human Services 1-3
- ANTH 222 Cultural Anthropology 3
- HDFS 201 Individual and Family Development 5  3
- SOC 205 Institutions and Social Change 5  3
- SOC 207 Juvenile Delinquency 3
- SPAN 102/202 Spanish 6  3-4

**Spring Term:**

- HS 107 Gerontology 3
- HS 211  #HIV/AIDS and Other Infectious Diseases 2
- HS 265 Counseling Skills II 3  3
- HS 280  #Cooperative Work Experience: Human Services 4  3-4
- HS 298  Independent Studies: Human Services 1-3
- ANTH 223 Cultural Anthropology 3
- CJ 101 Introduction to Criminology 5  3
- CJ 230 Introduction to Juvenile Justice Systems 3
- HDFS 201 Individual and Family Development 5  3
- HDFS 240 Contemporary American Family 5  3
- SOC 206 Social Problems and Issues 5  3
- SOC 225 Social Aspects of Addiction 3
- SPAN 103/203 Spanish 6  4

**Summer Term:**

- HS 280  #Cooperative Work Experience: Human Services 4  3-4
- HS 298  Independent Studies: Human Services 1-3
- CJ 232 Introduction to Correctional Casework 7  3

* A grade of C or better must be attained in these courses.

# indicates classes necessary for CADC I Certification.

+ Any unlisted HS classes may be applied as approved electives.

1 May be taken 1st or 2nd Yr
2 Recommended for 2nd Yr
3 Prerequisite: HS 155 or Instructor Approval
4 In addition to the 9 credits required, up to 4 credits in HS 280 can be applied to electives.

5 Available in other terms
6 Up to 12 credits in Spanish 101 or higher can apply to AAS
7 Prerequisite: CJ 230 or CJ 261 or Instructor Approval

**LEGAL ASSISTANT/PARALEGAL STUDIES**

**Certificate Legal Assistant**

The fully online UCC one-year Legal Assistant Certificate Program helps prepare students for entry-level positions. The curriculum is designed to provide the basic competencies and practical skills necessary to succeed as a legal assistant or continue working towards a degree in paralegal studies. Prerequisites: A grade of C or better must be attained in all LA courses or courses must be retaken.

Students who cannot accurately keyboard at least 45 wpm should plan to take OA 110 Alphabetic Keyboarding and/or OA 124 Keyboarding Skill Enhancement early in the program. If required by placement test results, students will need to take WR 115 to reach the WR 121 requirement. Acceptance into the Paralegal Program will be postponed if placement is below WR 115.

Students with a criminal record are strongly urged to research employability before entering the paralegal program. If students enter the paralegal program with a felony conviction, they should disclose this information to their paralegal adviser and any Cooperative Work Experience (CWE) employer.

All Legal Assistant/Paralegal students are required to complete a division release form. Please check the program page online, or contact any Legal Assistant/Paralegal Studies program instructor or your adviser for more information.

**Required Curriculum**

**Term One – Fall**

- BA 180 or MTH 065 Business Mathematics I OR Elementary Algebra 3  4
- CWE 161 CWE Seminar I 1
- LA 100  *Legal Procedures I 4
- LA 102 Legal Terminology 3
- OA 128 Editing for Business 3
- WR 121 English Composition 3

**Term Two – Winter**

- CIS 120 Introduction to Computer Information Systems 4
- LA 128  *Legal Procedures II 4
- LA 101  *Introduction to Paralegal Studies 3
- BA 211 **Principles of Accounting I 3

**Term Three – Spring**

- BA 214 Business Communications 3
- LA 105  *Civil Procedures 3
- LA 132  *Ethics for the Legal Professional 3
- LA 280 Human Relations course from approved list – page 75 3
- Total Certificate Credits 45 - 50

* See catalog descriptions for prerequisites

** Students may substitute BA 151 Practical Accounting (4 credits) AND BA 152 Practical Accounting II (3 Credits). This substitution will necessitate a minimum of 49 credits for the certificate instead of 45.

** 2 credits equal 66 working hours.
### Associate of Applied Science Paralegal Studies

The fully online UCC two-year AAS in Paralegal Studies prepares students for highly responsible entry-level positions as paralegals or legal assistants. Students take first year courses that provide them with basic competencies and practical skills. In the second year, students broaden their education by taking classes in specialty areas targeted to achieve the legal skills necessary to assist in the legal activities of law firms, businesses, insurance companies, financial institutions, public agencies, title companies, or government offices. The curriculum is designed to prepare the future paralegal professional with both a theoretical understanding of the world of law and the practical skills necessary to succeed. Prerequisites: A grade of C or better must be attained in all LA courses or courses must be retaken. Students who cannot accurately keyboard at least 40 wpm should plan to take OA 110 Alphabetic Keyboarding or OA 124 Keyboarding Skill Enhancement early in the program. If required by placement test results, students will need to take WR 115 to reach the WR 121 requirement. Acceptance into the Paralegal Program will be postponed if placement is below WR 115.

Students with a criminal record are strongly urged to research employability before entering the paralegal program. If students enter the paralegal program with a felony conviction, they should disclose this information to their paralegal adviser and any Cooperative Work Experience (CWE) employer.

#### Required Curriculum

<table>
<thead>
<tr>
<th>Term One – Fall</th>
<th>Business Mathematics I OR</th>
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</thead>
<tbody>
<tr>
<td>BA 180 or MTH 065</td>
<td>Elementary Algebra</td>
<td>4</td>
</tr>
<tr>
<td>CWE 161 LA 100</td>
<td>Legal Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>LA 102 LA 128</td>
<td>Legal Terminology Editing for Business</td>
<td>3</td>
</tr>
<tr>
<td>OA 128</td>
<td>English Composition</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term Two – Winter</th>
<th>Business Communications</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 120 LA 128</td>
<td>Introduction to Computer Legal Procedures II</td>
<td>4</td>
</tr>
<tr>
<td>LA 101 BA 211</td>
<td>Introduction to Paralegal Studies <strong>Principles of Accounting I</strong></td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term Three – Spring</th>
<th>Business Communications</th>
<th>3</th>
</tr>
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<tbody>
<tr>
<td>BA 214 LA 105</td>
<td>*Civil Procedure Ethics for the Legal Professional</td>
<td>3</td>
</tr>
<tr>
<td>LA 132 LA 280</td>
<td>Human Relations course from approved list – page 75</td>
<td>3</td>
</tr>
<tr>
<td>LA 280 <strong>Cooperative Work Experience: Paralegal</strong></td>
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<thead>
<tr>
<th>Term Four – Fall</th>
<th>Introduction to Business</th>
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<tbody>
<tr>
<td>BA 101 LA 204</td>
<td>*Legal Research &amp; Writing I Legal Research and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>LA 208 LA 210</td>
<td>*Family Law Wills, Probate and Estates</td>
<td>3</td>
</tr>
<tr>
<td>LA 210</td>
<td>Elective</td>
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<table>
<thead>
<tr>
<th>Term Five – Winter</th>
<th>Business Law</th>
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</thead>
<tbody>
<tr>
<td>LA 205 LA 217</td>
<td>Legal Research and Writing II Real Estate Law</td>
<td>3</td>
</tr>
<tr>
<td>LA 224</td>
<td><em>Torts, Pleading &amp; Practice</em>* Cooperative Work Experience: Paralegal**</td>
<td>3</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Term Six – Spring</th>
<th>*Computers in Business</th>
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<tbody>
<tr>
<td>BA 231 LA 222</td>
<td>LA 226</td>
<td>*Contract Law *Criminal Law for Paralegals</td>
</tr>
<tr>
<td>LA 280 <em><strong>Cooperative Work Experience: Paralegal</strong></em></td>
<td>Elective</td>
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<table>
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<tr>
<th>ELECTIVES</th>
<th>Choose 7 credits from the following:</th>
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<tbody>
<tr>
<td>BA 165</td>
<td>Customer Service</td>
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<tr>
<td>BA 212</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>BA 213</td>
<td>Principles of Accounting III</td>
</tr>
<tr>
<td>BA 218</td>
<td>Personal Finance</td>
</tr>
<tr>
<td>BA 232</td>
<td>Introduction to Business Statistics</td>
</tr>
<tr>
<td>CJ 105</td>
<td>Concepts of Criminal Law</td>
</tr>
<tr>
<td>CJ 114</td>
<td>Cultural Diversity Issues in Criminal Justice</td>
</tr>
<tr>
<td>CJ 120</td>
<td>Introduction to the Judicial Process</td>
</tr>
<tr>
<td>CIS 125D</td>
<td>Microcomputer Applications -Database</td>
</tr>
<tr>
<td>CIS 125S</td>
<td>Microcomputer Applications - Spreadsheets</td>
</tr>
<tr>
<td>MTH 065</td>
<td>Elementary Algebra</td>
</tr>
<tr>
<td>CIS 128</td>
<td>Terrorism and Homeland Security</td>
</tr>
<tr>
<td>CJ 169</td>
<td>Introduction to Constitutional Law</td>
</tr>
<tr>
<td>CJ 226</td>
<td>Introduction to Juvenile Justice System</td>
</tr>
<tr>
<td>CJ 230</td>
<td>CWE Seminar I</td>
</tr>
<tr>
<td>HPE 295</td>
<td>Wellness &amp; Health Assessment</td>
</tr>
<tr>
<td>LA 280</td>
<td>Cooperative Work Experience: Paralegal up to 4 additional credits</td>
</tr>
<tr>
<td>Total degree credits</td>
<td>90 - 95</td>
</tr>
</tbody>
</table>

* See catalog descriptions for prerequisites

** Students may substitute BA 151 Practical Accounting (4 credits) AND BA 152 Practical Accounting II (3 Credits). This substitution will necessitate a minimum of 94 credits for the degree instead of 90.

*** 2 credits equal 66 working hours.
REGULATED NURSING (PRE)

Pre-Nursing and College Transfer

The Nursing Education curriculum in the state of Oregon is changing. This catalog reflects the current status of the program at the time of publication. Please consult with the Counseling Department faculty adviser for pre-nursing for further clarification and updates.

Beginning Fall 2008, pre-nursing requirements will be the same for both UCC and Oregon Health Science University students. UCC will continue to offer the AAS in nursing along with the option of obtaining a bachelor’s degree from OHSU with one additional year of study at UCC. All prerequisites must be completed with a C grade or better. Applicants must have at least a 3.25 GPA in completed prerequisite classes to apply to the program.

Drug screening: All nursing students must successfully pass a drug screening test at the time of admission into the Nursing Program and are subject to random drug screening throughout the program. Failure to submit to a random drug screen or having a positive drug screen will result in sanctions per the UCC Student Code of Conduct (721.3) The cost is covered by the student fees.

Along with the pre-requisites it is critical for students to be computer competent. Computer competency is being able to use word processing, excel spreadsheets, email, uploading & downloading documents, using an online learning management system and electronic medical records.

Recommended Pre-Nursing Year – Option 1

Term One – Fall

*CH 104 or MTH 095 (or higher) CH 112
Introduction to Chemistry OR Chemistry for Health Occupations 4 5
**
**MTH 095 or higher Mathematics 4
HDFS 201 or Individual & Family Development OR Life Span Development (online) 3
PSY 237 WR 121
WR 122 English Composition or English Composition 3
**
***
***Anatomy and Physiology Human Nutrition 4 4
FN 225 WR 122
WR 122 English Composition or English Composition 3
***
***Social Science elective 3-4

Term Two – Winter

BI 231 FN 225 WR 122
***Anatomy and Physiology Human Nutrition 4 4 3
BI 232 FN 225 WR 122
WR 122 English Composition OR English Composition 4 3
BI 234 WR 227 Technical Report Writing 4 3
WR 227

Term Three – Spring

BI 233 FN 225 WR 122
***Anatomy and Physiology Human Nutrition or English Composition OR 4 4 3
BI 234 WR 227 Technical Report Writing 4 3
WR 227

Term Four – Summer

BI 233 FN 225 WR 122
***Anatomy and Physiology Total Prerequisite credits 44-45
Technical Report Writing

Additional course if desired (not required and does not count towards credits needed for admissions):
NRS 11 Nursing Assistant 9

* Must have completed Math 95, Chemistry or the equivalent, and Anatomy and Physiology 1 (BI 231) at time of application plus enough other prerequisite courses to equal 30 credits. Must have 45 prerequisite credits before entering the nursing program in fall.

** A Math test placement score of 105 or higher on the UCC placement test by the application deadline.

*** Must have been completed within last 5 years.

Recommended Pre-Nursing Year – Option 2:

Term One – Summer

*CH 104 or MTH 095 Introduction to Chemistry OR Intermediate Algebra 4 4
CH 112 Chemistry for Health Occupations 5
MTH 095

Term Two – Fall

BI 231 HDFS 201 or PSY 237 WR 121
Anatomy & Physiology Individual & Family Development OR Life Span Development 4 3 3
WR 121 English Composition 3

Term Three – Winter

BI 232 BI 234 WR 122
Anatomy & Physiology Microbiology English Composition 4 4 3
FN 225 WR 123 FN 225 WR 227 English Composition OR Technical Report Writing 4 4 3
WR 123 English Composition OR WR 227 Technical Report Writing

Total for pre-Nursing year credits 43-45

REGISTERED NURSING

Associate of Applied Science

The college offers a variety of programs in Nursing. The department reserves the privilege of retaining only those students who, in the judgment of the college, satisfy the requirements of scholarship, health, and personal suitability for nursing.

The UCC Nursing program is accredited by the National League for Nursing Accrediting Commission and the Oregon State Board of Nursing.

The Nursing program is a partner in the Oregon Consortium for Nursing Education (OCNE) and offers a competency-based curriculum jointly developed by nursing faculties from the consortium schools. The core competencies address the need for nurses to be skilled in clinical judgment and critical thinking; evidence-based practice; relationship-centered care; interdisciplinary collaboration; assisting individuals and families in self-care practices for promotion of health and management of chronic and acute illness; end-of-life care; and teaching, delegation, leadership and supervision of caregivers. Acceptance to the program allows for co-admission to Umpqua Community College and Oregon Health and Science University (OHSU) nursing programs. The program is designed as four years of full-time study, with the first year devoted to prerequisite and/or preparatory courses (43-45 credits) required for admission to the restricted (limited) admission Nursing program. Successful completion of the second and third years leads to an Associate of Applied Science (AAS) degree offered by Umpqua Community College. The program continues for four additional terms leading to a Bachelor of Science degree, Nursing (BS,N) offered by OHSU.

The full program may be completed at the partner school campus.

The first five terms after admission to the Nursing program are identical for the associate and bachelor’s work. Term six offers students the ability to complete the AAS degree and provides the eligibility for NCLEX-RN licensure testing or can be used to begin the coursework for the BS,N or a combination of both.

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**REGISTERED NURSING**  
**Associate of Applied Science Degree, CONTINUED**

Both the AAS and BS.N degrees meet the educational requirement for the national licensure examination for RN licensure. The Nursing program is approved by the Oregon State Board of Nursing (OSBN, 17938 SW Upper Boones Ferry Rd., Portland, OR 91224-7012) and the NLNAC.

**Entry Requirements**

As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their success. Program admission occurs once per year. Deadline for submitting program application material and requirements is winter term 2013, for fall term 2013 admission (see program website and/or application packet for deadline date information). Transcripts showing satisfactory completion of at least 30 credits of prerequisites must be in the Enrollment Services office by the application deadline. All prerequisites must have been taken with a letter grade rather than pass/no pass. Applicants must have either graduated from high school, obtained a GED at the high school level, completed a home school program at the high school level, or completed a program of study in a post-secondary school at a one-year certificate level or higher. Consortium partner schools will use shared standards in a point system and a set of core criteria for evaluation and selection of candidates to the consortium curriculum, but selection processes, acceptance decisions, and admissions will occur at individual schools. Application to the Nursing program requires a minimum GPA of 3.25 and a grade of C or better for all completed prerequisites. If an applicant has taken an equivalent course elsewhere which has a course number, title, or credit hour different from the UCC course, the applicant must contact UCC’s Enrollment Services office for a transcript review, or the appropriate department head to obtain a course substitution, as far in advance of the application deadline as possible. To be admitted into nursing courses students must complete all required prerequisite and preparatory courses (minimum 43 credits) and be accepted into the Nursing program.

Drug screening: All nursing students must successfully pass a drug screening test at the time of admission into the Nursing Program and are subject to random drug screening throughout the program. Failure to submit to a random drug screen or having a positive drug screen will result in sanctions per the UCC Student Code of Conduct (721.3). The cost is covered by the student fees.

Along with the pre-requisites it is critical for students to be computer competent. Computer competency is being able to use word processing, excel spreadsheets, email, uploading & downloading documents, using an online learning management system and electronic medical records.

All accepted nursing students will be required to undergo a background history check prior to entering the program. Individuals with a criminal record may not be allowed into a healthcare facility as a student. Information pertaining to background history checks and disqualifying crimes can be found at the OSBN web link: http://www.oregon.gov/OSBN/pdfs/npa/Dvi45.pdf or Department of Human Services (DHS) website www.oregon.gov/DHS/admin/dwssrules00.. Chapter 407.

Because it is not possible to meet the objectives of the program without having clinical experience, anyone with a positive criminal or abuse history may not be eligible for acceptance in the nursing program. The program is required to deny admission or continuation in the nursing program to any nursing student whose background poses a threat to an individual, the college, the nursing profession or the community. Students should understand that although co-admitted to the Oregon Health Sciences University School of Nursing, those who choose to transition from the UCC Nursing Program to OHSU will have to undergo a background history check for OHSU at the time of transition and ability to enroll in OHSU courses may be negatively impacted by any criminal history in their background.

Nursing students attend classes on campus and in the Nursing Science Resource Center (NSRC) and clinical practicum at many community sites including Mercy Medical Center and the Veterans Hospital. Students will be responsible for their own transportation to the clinical site. See the program website and/or program information for progression policies.

**Graduation Requirements**

These requirements apply only to nursing students admitted to the program during the current academic year. The program of study, graduation requirements, and courses are under constant review and are subject to revision. Students contemplating admission in a later year may have different requirements and must obtain the advising guide or catalog for that year. If required courses (e.g., clinicals) are graded only on a pass/no pass basis, a grade of P for these courses indicate a student earned a C or better grade. Students must complete all courses on this advising guide with a grade of C or better to continue in and complete the program, receive their degrees, and meet the educational requirements to apply to take the national licensure exam (NCLEX-RN). The OSBN screens all applicants for licensure and may deny licensure to or place on probation applicants with convictions for certain crimes. Licensure applicants with a history of chemical dependence will be required to have a drug and alcohol counselor assessment. Contact the OSBN with any questions.

**REGISTERED NURSING: FIRST YEAR**

**Required Curriculum**

<table>
<thead>
<tr>
<th>Term One – Fall</th>
<th></th>
</tr>
</thead>
</table>
| BI 222 | Introduction to Genetics  
(by end of year 1) | 3 |
| NRS 110 | Foundations of Nursing – Health Promotion  
(See note 2) | 9 |

<table>
<thead>
<tr>
<th>Term Two – Winter</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>NRS 111</td>
<td>Foundations of Nursing in Chronic Illness I OR</td>
</tr>
<tr>
<td>NRS 112</td>
<td>Foundations of Nursing in Acute Care I</td>
</tr>
<tr>
<td>NRS 230</td>
<td>Clinical Pharmacology I</td>
</tr>
<tr>
<td>NRS 232</td>
<td>Pathophysiological Processes I</td>
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</table>

<table>
<thead>
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<tbody>
<tr>
<td>NRS 111</td>
<td>Foundations of Nursing in Chronic Illness I OR</td>
</tr>
<tr>
<td>NRS 112</td>
<td>Foundations of Nursing in Acute Care I</td>
</tr>
<tr>
<td>NRS 231</td>
<td>Clinical Pharmacology II</td>
</tr>
<tr>
<td>NRS 233</td>
<td>Pathophysiological Processes II</td>
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<td>Total First Year Credits</td>
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<th>Term Four – Summer</th>
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</thead>
</table>
| NRS 216 | Nursing Skills Acute Hospital Clinical  
(elective) | 2-3 |
REGISTERED NURSING: SECOND YEAR

Course Requirements

Term One – Fall
NRS 221 Nursing in Chronic Illness II and End-of-Life OR
NRS 222 Nursing in Acute Care II 9
BSN only – Approved humanities, social or natural science electives (see UCC catalog for approved list of electives, may want to take MTH 243, (See note 5) 0-4

Term Two – Winter
NRS 221 Nursing in Chronic Illness II and End-of-Life OR
NRS 222 Nursing in Acute Care II 9
BSN only – Approved humanities, social or natural science electives (see UCC catalog for approved list of electives, See program note # 5 may want to take MTH 243, (See note 5) 0-4

Term Three – Spring
NRS 224 Scope of Practice and Preceptorship 9
BSN only – Approved humanities, social or natural science electives see UCC catalog for approved list of electives, See program note # 5 may want to take MTH 243, (See note 5) 0-4
Total Second Year Credits 27
Total Program Credits 106-108

Program Notes:
1. MTH 095 or higher level math and BI 231 must be part of the 30 credits completed to be eligible to apply.
2. To be admitted into NRS 110, students must complete all required prerequisite and preparatory courses. (minimum 43 credits) and be accepted into the Nursing program.
3. BI 222 and other general education courses in this year may be completed during summer term, but must be completed to progress to second year nursing courses.
4. Students who plan to continue through to OHSU must be aware that to earn the bachelor’s degree, they must have two years of the same high school-level World Language (if they graduated from high school after 1997), or two terms of the same college-level language, or a language proficiency examination. College-level World Language (including American sign language) credits count toward degree requirement
5. Students planning to earn a bachelor’s degree are encouraged to complete MTH 243 Probability & Statistics soon after their prerequisite math course.

For more information regarding the program, selection process, and points contact the Nursing program: 541 440-4613.

PRACTICAL NURSING

Certificate

Practical Nursing

The college provides an additional nursing career pathway, the Certificate of Practical Nursing. This course of study requires one year of prerequisites followed by one year of nursing course work. Admission to this program is by a competitive application process. All prerequisites must be completed with a grade of C or better.

Recommended Pre-PN Course of Study

Term One – Fall
CH 104 or 112 Chemistry 4-5
MTH 065 Elementary Mathematics 4

Term Two – Winter
BI 231 Anatomy & Physiology 4
WR 121 English Composition 3

Term Three – Spring
BI 232 Anatomy & Physiology 4
MED 111 Medical Terminology (elective) 3

Term Four – Summer
BI 233 Anatomy & Physiology 4
MED 112 Medical Terminology (elective) 3
Total Pre-PN year credits 23-30

Entry Requirements

As part of their training program, students must begin with the courses within their skill levels, as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their success. Program admission occurs once per year. Deadline for submitting program application materials is fall term for a winter term admission. Transcripts showing satisfactory completion of the required prerequisites must be in the Enrollment Services office by the deadline in mid-fall. All prerequisite course work must have a grade of C or better. In addition to course work, students are required to either hold a current Oregon Nursing Assistant certificate (CNA 1) or have completed the Nursing Assistant course (NRS 11). See specific application.

Drug screening: All nursing students must successfully pass a drug screening test at the time of admission into the Practical Nursing course program and are subject to random drug screening throughout the program. Failure to submit to a random drug screen or having a positive drug screen will result in sanctions per the UCC Student Code of Conduct (721.3) The cost is covered by student fees.

Along with the pre-requisites it is critical for students to be computer competent. Computer competency is being able to use word processing, Excel spreadsheets, email, uploading & downloading documents, using an online learning management system and electronic medical records.

All accepted nursing students will be required to undergo a background history check prior to entering the program. Individuals with a criminal record may not be allowed into a healthcare facility as a student. Information pertaining to background history checks and disqualifying crimes can be found at the Oregon State Board of Nursing (OSBN) website: http://www.oregon.gov/OSBN/dfs/index.cfm. The Oregon State Board of Nursing (OSBN) website: http://www.oregon.gov/OSBN/dfs/index.cfm or Department of Human Services (DHS) website www.oregon.gov/DHS/admin/dwssrules., Chapter 407.
Certificate, Practical Nursing, CONTINUED

Because it is not possible to meet the objectives of the program without having clinical experience, anyone with a positive criminal or abuse history may not be eligible for acceptance into the nursing program. The program is required to deny admission or continuation in the nursing program to any nursing student whose background poses a threat to an individual, the college, the nursing profession or the community.

Practical Nursing students must attend classes on campus, in the Nursing Science Resource Center (NSRC), and clinical practicum at many community healthcare sites, including Mercy Medical Center, the Veterans Administration Hospital, Rose Haven, and Umpqua Valley Rehabilitation and Care Center. Students will be responsible for their own transportation to the clinical sites.

Graduation Requirements

These requirements apply only to nursing students admitted to the program during the current academic year. The program of study, graduation requirements, and courses are under constant review and are subject to revision. Students contemplating admission in a later year may have different requirements and must obtain the advising guide or catalog for that year. If required courses (e.g., clinicals) are graded only on a pass/no pass basis, a grade of P for these courses indicate a student earned a C or better grade. Students must complete all courses on this advising guide with a grade of C or better to continue in and complete the program, receive their degrees, and meet the educational requirements to apply to take the national licensure exam (NCLEX-PN). The OSBN screens all applicants for licensure and may deny licensure to or place on probation applicants with convictions for certain crimes. Licensure applicants with a history of chemical dependence will be placed on probation applicants with convictions for certain crimes. Students not knowing how to keyboard, must take OA 110 their first term. If required by placement test results, students will need to take MTH 020, WR 115.

Required Curriculum

Term One – Winter
PN 101 Introduction to Practical Nursing 9

Term Two – Spring
PN 102 Foundations of Practical Nursing I 9

Term Three – Summer
PN 103 Foundations of Practical Nursing II 9
Total Credits 27
Total Program Credits (2 yr) 50-57

OCCUPATIONAL SKILLS TRAINING

Certificate

The Occupational Skills Training Program offers students the opportunity to earn college credit for work-site-based training at an approved community training site. Students enrolled in the program will receive instruction based on a curriculum that is personalized for the student’s chosen occupation and tailored to complement the student’s individual abilities, skills, and interests. Students in this program are usually agency-sponsored, and as such, the curriculum and training site will generally be determined by the sponsoring agency in coordination with UCC’s Director of Advising and UCC instructional departments. Related technical classes may be included in the program when deemed appropriate and approved as part of the training plan. A Certificate of Completion is awarded after the student successfully completes the prescribed courses in the approved training plan.

OFFICE TECHNOLOGY

All Office Technology students are required to complete a division release form. Please check the program page online, or contact any Office Technology program instructor or your adviser for more information.

Pathways Certificate

Microsoft Office Technologist

This certificate program is designed to provide students with advanced skills in Microsoft Office applications such as Access, Excel, PowerPoint and Word. Students completing each course in the series will be better prepared to sit for and pass the Microsoft Certified Application Specialist (MCAS) designation.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 125D</td>
<td>Microcomputer Applications - Database</td>
<td>3</td>
</tr>
<tr>
<td>CIS 125E</td>
<td>Microcomputer Applications - Email</td>
<td>2</td>
</tr>
<tr>
<td>CIS 125R</td>
<td>Microcomputer Applications - Presentation Software</td>
<td>2</td>
</tr>
<tr>
<td>CIS 125S</td>
<td>Microcomputer Applications - Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CIS 125W</td>
<td>Microcomputer Applications - Word</td>
<td>3</td>
</tr>
<tr>
<td>Total Certificate Credits</td>
<td></td>
<td>13</td>
</tr>
</tbody>
</table>

Certificate

Office Assistant

The Office Assistant certificate program is designed to provide basic training in office skills and business knowledge that is expected in the business world today. The curriculum prepares students for entry-level positions such as clerks, receptionists or office assistants.

Students not knowing how to keyboard, must take OA 110 their first term. If required by placement test results, students will need to take MTH 020, WR 115.

Required Curriculum

Term One – Fall
CIS 120 Introduction to Computer Information Systems 4
OA 115 Administrative Office Professional 3
OA 131 Ten-key Calculator 1
OA 128 Editing for Business 3
PSY 101 or Psychology of Human Relations OR 3
SP 218 or Interpersonal Communication OR 3
SP 219 Small Group Discussion 3

Total Certificate Credits 13
### Approved Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 152</td>
<td>Practical Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140W</td>
<td>Introduction to Windows</td>
<td>2</td>
</tr>
<tr>
<td>OA 201</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>OA 280A</td>
<td>Cooperative Work Experience: Administrative Assistant/Office Assistant</td>
<td>1-5</td>
</tr>
</tbody>
</table>

**A grade of C or better must be attained in these classes**

### Certificate

#### Clinical Medical Assistant

The Clinical Medical Assistant Certificate program has been suspended for the 2012-13 academic year and is not accepting new students. Current majors with questions should contact their academic adviser.

### Certificate

#### Medical Billing and Collections Clerk

Students gain theoretical knowledge and practical skills that will help them to succeed as entry-level outpatient medical billing and collections clerks. Prerequisite skills: Touch typing skills of at least 20 wpm at 95% accuracy.

### Required Curriculum

#### Term One – Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 111</td>
<td>Medical Terminology I</td>
<td>3</td>
</tr>
<tr>
<td>MED 220</td>
<td>Medical Office Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>OA 115</td>
<td>Administrative Office Professional</td>
<td>3</td>
</tr>
<tr>
<td>OA 116</td>
<td>Records Management</td>
<td>2</td>
</tr>
<tr>
<td>OA 131</td>
<td>Ten-Key Calculator</td>
<td>1</td>
</tr>
<tr>
<td>WR 115 (or higher)</td>
<td>Introduction to Expository Writing</td>
<td>3</td>
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</table>

#### Term Two – Winter

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CIS 120</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MED 112</td>
<td>Medical Terminology II</td>
<td>3</td>
</tr>
<tr>
<td>MED 114</td>
<td>Medical Coding for the Physician’s Office</td>
<td>3</td>
</tr>
<tr>
<td>MED 115</td>
<td>Anatomy and Physiology for Medical Assistants</td>
<td>3</td>
</tr>
<tr>
<td>MED 221</td>
<td>Medical Office Procedures II</td>
<td>3</td>
</tr>
<tr>
<td>MED 230</td>
<td>Health Insurance Concepts</td>
<td>3</td>
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</tbody>
</table>

#### Term Three – Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BA 180 or</td>
<td>Business Mathematics I</td>
<td>3</td>
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<tr>
<td>MED 060 or</td>
<td>Math for the Medical Asst. OR</td>
<td>3</td>
</tr>
<tr>
<td>MTH 060</td>
<td>Introduction to Algebra</td>
<td>4</td>
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<tr>
<td>CWE 161</td>
<td>CWE Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>MED 140</td>
<td>Electronic Health Records</td>
<td>3</td>
</tr>
<tr>
<td>MED 222</td>
<td>Medical Office Procedures III</td>
<td>3</td>
</tr>
<tr>
<td>MED 231</td>
<td>Health Care Reimbursement &amp; Collections</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Certificate Credits</strong></td>
<td></td>
<td><strong>50-51</strong></td>
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</table>

#### Associate of Applied Science

#### Administrative Assistant

This program is designed to prepare individuals for professional office positions. During the first year of preparation, emphasis is placed upon building basic office skills. The second year is primarily devoted to courses in this specialty area. To qualify for the AAS degree, satisfactorily complete all required course work and accumulate a minimum of 90 credit hours.

### Required Curriculum

#### Term One – Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 180</td>
<td>Business Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Introduction to Computer Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>OA 115</td>
<td>Administrative Office Professional</td>
<td>3</td>
</tr>
<tr>
<td>OA 116</td>
<td>Records Management</td>
<td>2</td>
</tr>
<tr>
<td>OA 131</td>
<td>Ten-Key Calculator</td>
<td>1</td>
</tr>
<tr>
<td>WR 121</td>
<td><strong>English Composition</strong></td>
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#### Term Two – Winter

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<tr>
<td>BA 116</td>
<td>Principles of Financial Services</td>
<td>4</td>
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<tr>
<td>CIS 125S</td>
<td>Microcomputer Applications – Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>OA 124A</td>
<td>Keyboarding Skill Enhancement</td>
<td>3</td>
</tr>
<tr>
<td>OA 128</td>
<td>Editing for Business</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101 or</td>
<td>Psychology of Human Relations OR</td>
<td>3</td>
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<tr>
<td>SP 105 or</td>
<td>Listening OR</td>
<td>3</td>
</tr>
<tr>
<td>SP 218 or</td>
<td>Interpersonal Communication OR</td>
<td>3</td>
</tr>
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<td>SP 219</td>
<td>Small Group Discussion</td>
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#### Term Three – Spring

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<tbody>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
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<tr>
<td>BA 165</td>
<td>Customer Service</td>
<td>3</td>
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<tr>
<td>CIS 125W</td>
<td>Microcomputer Applications – Word Processing</td>
<td>3</td>
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<td>OA 123</td>
<td>Formatting</td>
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#### Term Four – Fall

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<tr>
<td>BA 151</td>
<td>Practical Accounting I</td>
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<tr>
<td>CIS 125E</td>
<td>Microcomputer Applications – Email</td>
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<td>CIS 125R</td>
<td>Microcomputer Applications – Presentation Software</td>
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<tr>
<td>CWE 161</td>
<td>CWE Seminar I</td>
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<td>OA 201</td>
<td><strong>Word Processing Applications</strong></td>
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<tr>
<td>SDP 109</td>
<td>Elements of Supervision</td>
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#### Term Five – Winter

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<td>BA 152</td>
<td>Practical Accounting II</td>
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<tr>
<td>BA 214</td>
<td><strong>Business Communications</strong></td>
<td>3</td>
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<td>BA 226</td>
<td>Business Law</td>
<td>4</td>
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<tr>
<td>OA 225</td>
<td><strong>Machine Transcription I</strong></td>
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<tr>
<td>OA 245</td>
<td>Office Administration</td>
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#### Term Six – Spring

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<tr>
<td>BA 218</td>
<td>Personal Finance</td>
<td>3</td>
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<tr>
<td>CIS 125D</td>
<td>Microcomputer Applications - Database</td>
<td>3</td>
</tr>
<tr>
<td>OA 250</td>
<td><strong>General Office Procedures</strong></td>
<td>3</td>
</tr>
<tr>
<td>OA 258</td>
<td><strong>Machine Transcription II-General</strong></td>
<td>3</td>
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<tr>
<td>OA 260</td>
<td>Principles of Office Management</td>
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<tr>
<td><strong>Total Degree Credits</strong></td>
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</tbody>
</table>
Associate of Applied Science
Administrative Assistant, CONTINUED

Other Recommended Courses (Does NOT meet general education requirements)

BA 106 A, B, C Business Leadership I, II, III 1-3
BA 206 Management Fundamentals 3
OA 280A Cooperative Work Experience: Administrative Assistant/Office Assistant 3-5
WR 227 Technical Report Writing 3

** A grade of C or better must be attained in the courses indicated

Associate of Applied Science
Administrative Assistant – Medical Option

This program is designed for positions in the medical environment. During the first year of preparation, emphasis is placed upon building basic office skills. The second year is primarily devoted to courses in this specialty area. To qualify for the AAS degree, you must satisfactorily complete all required course work and accumulate a minimum total of 90 credit hours.

Required Curriculum

Term One – Fall
CIS 120 Introduction to Computer Information Systems 4
OA 115 Administrative Office Professional 3
OA 116 Records Management 2
OA 124A Keyboarding Skill Enhancement 3
WR 121 **English Composition 3

Term Two – Winter
BA 151 Practical Accounting I 4
BA 218 Personal Finance 3
BA 226 Business Law 4
OA 123 Formatting 4

Term Three – Spring
BA 180 or MED 060 Business Mathematics I OR Math for the Medical Assistant 3
PSY 101 or SP 105 or SP 218 or SP 219 Psychology of Human Relations OR Listening OR Interpersonal Communication OR 3
BA 152 Practical Accounting II 3
BA 214 Business Communications 3
CWE 161 CWE Seminar I 1
OA 201 Word Processing Applications 3

Term Four – Fall
BA 101 Introduction to Business 4
CIS 125E Microcomputer Applications - Email 2
MED 111 **Medical Terminology I 3
MED 220 **Medical Office Procedures I 3
OA 128 Editing for Business 3

Term Five – Winter
MED 112 **Medical Terminology II 3
MED 140 Electronic Health Records 3
MED 221 **Medical Office Procedures II 3
OA 225 **Machine Transcription I 3
OA 245 Office Administration 1
MED 230 Health Insurance Concepts 3

Term Six – Spring
BA 165 Customer Service 3
MED 222 **Medical Office Procedures III 3
MED 260 Beginning Medical Transcription 3
OA 260 Principles of Office Management 3
OA 131 Ten-Key Calculator 1
Total Degree Credits 90

Other Recommended Courses
BA 106 A, B, C Business Leadership I, II, III 1-3
HE 252 First Aid 3
OA 280C Cooperative Work Experience: Administrative Medical Assistant 3-5

See Adviser
** A grade of C or better must be attained in the courses indicated

TRUCKING AND TRANSPORTATION LOGISTICS CERTIFICATE (TRUCK DRIVER TRAINING)

Certificate

This certificate will prepare the student to take the Oregon State Commercial Drivers License test and meet the requirements of industry as well as a state-wide community college certificate. The program utilizes a career-pathway model which allows for immediate employment after two classes and with additional course work the opportunity to complete an industry endorsed career-technical certificate of completion.

TTL 101 *Introduction to Transportation and Logistics 4
TTL 121 *Practical Applications in Transportation and Logistics 6
TTL 141 **Transportation Customer Service Skills 3
TTL 281 **Cooperative Work Experience: Transportation 6
Total Certificate Credits 19

* (Required for Oregon CDL and Certificate)
** (Required for Certificate)

The Umpqua Community College Truck Driving certificate includes classroom training covering: log books, trip planning, and hours of service. This is followed by road/yard training covering behind the wheel driving, entry-level driver training, backing, chaining up, make and brake, and completion of the CDL drive test. In order to obtain the Certificate students also take the Transportation Customer Service course and complete a minimum of 100 hours of Cooperative Work Experience which includes a sixteen hour seminar.

Applicants for the Truck Driver Training program must:
- Be 23 years of age unless employed or pre-approved by a trucking company;
- Have a clean driving record for the past 5 years;
- Complete an application packet
- Take placement tests scoring 29 on the Reading and 33 on the Numerical Skills;
• Complete and pass a DOT physical and Drug Screen. Students will be issued a certificate of completion when they have successfully completed all program requirements. Pre-registration is required. Contact 580-0390 for further information.

**VISUAL COMMUNICATIONS**

The Visual Communications Program has been developed to meet student interest and industry demand for a concentrated, rigorous curriculum that will prepare students for entry-level skills in both print and digital media. This program replaced the discontinued Desktop Marketing Certificate that was offered through the Business Department.

UCC offers an AAS in Visual Communications, and two skills certificates: a 15-credit Visual Communications Assistant Certificate offered entirely online, and an 18-credit Pre-Press Technician Certificate.

Students in Visual Communications will develop skills in graphic design, layout, typography, photography, and digital media, plus essential career skills such as teamwork and creative problem solving. The VCC Program is structured to assist students in developing a broad range of entry-level skills in both print and web-based applications.

Projects will include corporate identity programs, editorial design, illustration, multimedia presentations, print media publications, packaging design, typography, website design and video production.

Graduates of this program will be qualified to work as:

- Graphic Design Assistants
- Publication Designers
- Web Graphics Producer
- Digital Pre-press Technician
- Junior Art Director
- Marketing Assistant
- Multimedia Designer

*It is important to note that classes are only offered once per year. Students choosing an alternate schedule will need more than two years to complete the program.*

**Career Pathways Certificate**  
**Visual Communications Assistant**

**Required Curriculum:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VC 114</td>
<td>Introduction to InDesign</td>
<td>3</td>
</tr>
<tr>
<td>VC 130</td>
<td>Introduction to Photoshop</td>
<td>3</td>
</tr>
<tr>
<td>VC 134</td>
<td>Introduction to Dreamweaver</td>
<td>3</td>
</tr>
<tr>
<td>VC 139</td>
<td>Introduction to Illustrator</td>
<td>3</td>
</tr>
<tr>
<td>VC 151</td>
<td>Digital to Print</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Total Certificate Credits</strong></td>
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</table>

**Career Pathways Certificate**  
**Visual Communications Pre-Press Technician**

**Required Curriculum:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 226</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>VC 111</td>
<td>Introduction to Visual Communications</td>
<td>3</td>
</tr>
<tr>
<td>VC 114</td>
<td>Introduction to InDesign</td>
<td>3</td>
</tr>
<tr>
<td>VC 121</td>
<td>Layout Basics</td>
<td>3</td>
</tr>
<tr>
<td>VC 130</td>
<td>Introduction to Photoshop</td>
<td>3</td>
</tr>
<tr>
<td>VC 139</td>
<td>Introduction to Illustrator</td>
<td>3</td>
</tr>
<tr>
<td>VC 151</td>
<td>Digital to Print</td>
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<td><strong>Total Certificate Credits</strong></td>
<td><strong>21</strong></td>
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**Associate of Applied Science**  
**Visual Communications**

**Term One – Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ART 115</td>
<td>Basic Design</td>
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</tr>
<tr>
<td>ART 131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>VC 111</td>
<td>Introduction to Visual Communications</td>
<td>3</td>
</tr>
<tr>
<td>VC 114</td>
<td>Introduction to InDesign</td>
<td>3</td>
</tr>
<tr>
<td>VC 121</td>
<td>Layout Basics</td>
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<tr>
<td>WR 121</td>
<td>English Composition</td>
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**Term Two – Winter**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ART 116</td>
<td>Basic Design</td>
<td>3</td>
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<tr>
<td>ART 132</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 226</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>VC 130</td>
<td>Introduction to Photoshop</td>
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**Term Three – Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ART 197</td>
<td>Artist’s Survival/Practical Issues</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Illustration for Designers</td>
<td>3</td>
</tr>
<tr>
<td>SP 111</td>
<td>Fundamentals of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>VC 139</td>
<td>Introduction to Illustrator</td>
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</tr>
<tr>
<td>WR 227</td>
<td>Technical Report Writing</td>
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**Term Four – Fall**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ART 222</td>
<td>Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 261</td>
<td>Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART</td>
<td>*Studio Electives</td>
<td>3</td>
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<tr>
<td>J 251</td>
<td>Writing for the Media</td>
<td>3</td>
</tr>
<tr>
<td>MTH 095</td>
<td>(or higher) Intermediate Algebra</td>
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**Term Five – Winter**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ART 223</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 263</td>
<td>Advanced Photography: Digital</td>
<td>3</td>
</tr>
<tr>
<td>ART</td>
<td>*Studio Electives</td>
<td>3</td>
</tr>
<tr>
<td>J 215 and/or</td>
<td>*Journalism Production AND/OR</td>
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<tr>
<td>ART 280</td>
<td>Cooperative Work Experience</td>
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<tr>
<td></td>
<td>(total of 4 credits required for program)</td>
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<tr>
<td>VC 151</td>
<td>Digital to Print</td>
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**Term Six – Spring**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 224</td>
<td>Graphic Design III</td>
<td>3</td>
</tr>
<tr>
<td>ART 239</td>
<td>Digital Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 298</td>
<td>Independent Study; Final Portfolio</td>
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<tr>
<td>BA 223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HPE 295 or</td>
<td>*Wellness &amp; Health Assessment OR</td>
<td></td>
</tr>
<tr>
<td>PE 185</td>
<td>Physical Education (total of 3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>J 215 or</td>
<td>*Journalism Production AND/OR</td>
<td>3</td>
</tr>
<tr>
<td>ART 280</td>
<td>Cooperative Work Experience</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(total of 4 credits required for program)</td>
<td>1-4</td>
</tr>
<tr>
<td>VC 134 or</td>
<td>Introduction to Dreamweaver OR</td>
<td>4</td>
</tr>
<tr>
<td>VC 135</td>
<td>Introduction to Flash</td>
<td>4</td>
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<tr>
<td></td>
<td><strong>Total Degree Credits</strong></td>
<td><strong>96</strong></td>
</tr>
</tbody>
</table>

* Students will need to meet with a faculty advisor to plan electives.
VITICULTURE AND ENOLOGY

The one-year certificate program in Viticulture and Enology prepares students for entry into the industry and is the first year of the two-year AAS degree. The certificate program includes an introduction to grape growing, basic principles of soil science, vineyard practices throughout all four seasons, and supervised practical work experience. The second year curriculum emphasizes enology (wine making).

Job opportunities exist throughout the Pacific Northwest and northern California. The average annual wage for winery production workers (including seasonal workers and excluding contracted workers) was $24,510 in 2006.

Pathway Certificate
Wine Marketing Assistant

The Wine Marketing Assistant Pathway Certificate includes parts of the full Viticulture and Enology one-year certificate and two-year degree that prepare students for entry-level positions in wine sales and distribution. Students can continue with either the Viticulture/Enology program or augment business skills. Students completing the program will be able to demonstrate understanding of the role and function of marketing in the wine industry; familiarity with the basic chemistry of winemaking; ability to conduct sensory evaluations of wine qualities; and knowledge of worldwide wine varieties, regions, and markets.

Term One – Fall
VE 101 Introduction to the Wine Industry 1
VE 201 Winemaking for Viticulturists 3
VE 203 Wines of the World 1

Term Two – Winter
VE 202 Sensory Evaluation of Wine 3
VE 204 Wines of the Pacific Region 1

Term Three – Spring
VE 205 Wines of Oregon 1
VE 223 Wine Marketing 3
Total Pathways Certificate Credits 13

Certificate
Viticulture

Required Curriculum

Term One – Fall
MTH 095 (or higher) Intermediate Algebra 4
VE 101 Introduction to the Wine Industry 1
VE 110 Vineyard Practices I 4
VE 201 Winemaking for Viticulturists 3
WR 115 (or higher) Introduction to Expository Writing 3

Term Two – Winter
GS 105 Physical Science (Chemistry) 4
PSY 101 or Psychology of Human Relations OR
SP 105 or Listening OR
SP 218 or Interpersonal Communication OR
SP 219 Small Group Discussion 3
HPE 295 Wellness & Health Assessment 3
VE 111 Vineyard Practices II 4

Term Three – Spring
SPAN 121 Spanish in the Workplace: Viticulture 4
VE 102 Integrated Pest Control 4
VE 112 Vineyard Practices III 4
VE 280 Cooperative Work Experience/Practicum:
Viticulture/Enology 2

Summer Term
VE 103 Vineyard Soils, Plant Nutrition and Irrigation 4
VE 280 Cooperative Work Experience/Practicum:
Viticulture/Enology 2
Total Certificate Credits 49

Associate of Applied Science
Viticulture and Enology

The Viticulture and Enology program prepares students for entry into the industry in production and sales as winemaking technicians, vineyard and winery owners, and vintners. The curriculum builds upon a one-year certificate program in Viticulture. The Enology AAS degree program includes an introduction to grape growing, basic principles of soil science, vineyard and winery practices throughout all four seasons, chemistry of the winemaking process, principles of wine production, and supervised practical work experience. Students must be at least 18 years of age to participate in wine tasting.

Job opportunities exist throughout the Pacific Northwest and northern California. The average annual wage for wine sales and distribution workers was $42,168. The industry is expanding rapidly, with the number of vineyards and wineries and related employment all increasing at the rate of 10% per year over the past five years. Efforts are underway to articulate the degree for transfer to other colleges and universities, including Oregon State University, which has both undergraduate and graduate programs in the field.

Required Curriculum

Term One – Fall
VE 101 Introduction to the Wine Industry 1
VE 110 Vineyard Practices I 4
VE 201 Winemaking for Viticulturists 3
MTH 095 Intermediate Algebra (or above) 4
WR 115 (or higher) Introduction to Expository Writing 3

Term Two – Winter
GS 105 Physical Science (Chemistry) 4
HPE 295 Wellness & Health Assessment 3
PSY 101 or Psychology of Human Relations OR
SP 105 or Listening OR
SP 218 Interpersonal Communication OR
SP 219 Small Group Discussion 3
VE 111 Vineyard Practices II 4

Term Three – Spring
SPAN 121 Spanish in the Workplace: Viticulture 4
VE 102 Integrated Pest Control 4
VE 112 Vineyard Practices III 4
VE 280 Cooperative Work Experience/Practicum:
Viticulture/Enology 2
WELDING

The welding program courses focus on the skills needed in the following areas: OFC, OFW, PAC, ACAC, SMAW, GMAW, GMAW-P, FCAW, GTAW, GLAW-G. Students will learn to weld in all four positions (flat, horizontal, vertical, and overhead) using the latest technology and equipment used in the welding industry. Upon successful completion of the Basic Certificate the student will have the skills necessary to attain an entry-level welding position, as this program is an EIM of AWS Curriculum and lab exercises are directly aligned with the national standards for entry-level welders. Courses are available to extend the skills learned in the Basic Certificate to include advanced welding techniques required in the manufacture and repair of products made from materials requiring special fabricating procedures. The skills acquired will enable one to pursue welding jobs which require advanced knowledge and skills with higher pay.

All Welding students are required to complete a division release form. Please check the program page online, or contact any Welding program instructor or your adviser for more information.

Certificate
Required Curriculum

Term One – Fall
WLD 101  Welding Processes & Applications 4
WLD 111  Shielded Arc Metal Welding 4
WLD 131  Basic Metallurgy 3
MTH 052 (or higher) or Introduction to Algebra for the Trades 3 or 4

Term Two – Winter
WLD 112  Shielded Arc Metal Welding: Mild Steel I 3
WLD 113  Shielded Arc Metal Welding: Mild Steel II 3
WLD 114  Shielded Arc Metal Welding: Mild Steel III 3
WLD 140  Blueprint Reading and Sketching 3
WR 115  Intro to Expository Writing 3

Term Three – Spring
WLD 121  Gas Metal Arc Welding 3
WLD 122  Gas Metal Arc Welding-Pulse 3
WLD 141  Flux-Cored Arc Welding I (Gas Shielded) 3
WLD 142  Flux-Cored Arc Welding II (Self Shielded) 3
PSY 101 or equiv.: Psychology of Human Relations 3
Elective if needed 1
Total Certificate Credits 45-46
Undecided?

1 - Starting your career?

2 - Changing your major?

3 - Changing your career?

Start your career exploration in the Advising and Career Service Center.

Advising and Career Service Center
YOUR ROAD TO SUCCESS

Meet with our career development advising specialist
to discuss your career and major options. Together, you may review labor market information, utilize online career resources, and/or take one of our career assessment tools and receive a professional interpretation to help you find a career or major that fits who you are and your interests.
course descriptions

COURSE NUMBERING

Courses numbered 100 or higher are taught at the college undergraduate level. Numbers 100-199 are considered freshman level, while 200-299 are at the sophomore level. Courses numbered 199 or 299 are generally experimental to evaluate student response. Courses numbered below 100 generally do not carry transfer credit.

Courses numbered 198 or 298 are independent study. Independent study is used for individualized: advanced studies on a particular topic, studies in areas not considered in other courses to meet special interests, or to meet program requirements. Affords an opportunity for students with previous study in a subject area to pursue further investigations for credit. Prerequisite: Instructor, Department Chair, and Dean approval of study plan. 6 credits maximum total credit.

ANTH - ANTHROPOLOGY

ANTH 150: Introduction to Archaeology (3)
This course offers an introduction to the archaeology and prehistory of the world and archaeological method and theory. We will review the basic field and lab techniques that archaeologists use to investigate the past, the theoretical paradigms that guide the archaeological process, and the origins of human behavior from the earliest fossils and artifacts to the ancient civilizations of the Old and New Worlds. 3 lecture hrs/wk. S

ANTH 165: Anthropology of Sex (3)
This course introduces students to sexuality and gender in anthropology, including current issues in America and cultures throughout the world. In this course we investigate the cultural dimensions of sex and institutionalized gender roles, including sex, gender, marriage and reproduction, cultural expectations about the behavior of men and women in social and professional situations, relationships and roles, sex and gender in the media, lesbian, gay, bisexual, transgender and other genders, gender discrimination in social position, power and economic opportunities, sex in the workplace, sex trafficking, infanticide, childbirth and childcare, domestic violence, AIDS/HIV and STDs, genital mutilation practices, the politics of sex, gender and identity, sex and gender in government institutions and the military, and sex and gender issues in the law. From an anthropological perspective, these issues are inextricable and linked to a variety of cultural institutions and practices. Registration Enforced Prerequisite: WR 121. 3 lecture hrs/wk. F

ANTH 221: Cultural Anthropology (3)
Preliterate and modern societies are studied, compared, and contrasted to discover common human themes. Both evolutionary and institutional approaches are used; that is, we look at hunters and gatherers, bands, tribes, and state societies as well as institutions such as the family, political organization, economics, technology, and religion. This is the first term of a three-semester sequence. 3 lecture hrs/wk. Prerequisite: Writing 121. F

ANTH 222: Cultural Anthropology (3)
A continuation of the major themes explored in ANTH 221/223, including social organization, cultural adaptation and change, the family, values, economics, politics, and religion. May be taken independently of ANTH 221/223. 3 lecture hrs/wk. Prerequisite: WR 121. W

ANTH 223: Cultural Anthropology (3)
A continuation of the major themes explored in ANTH 221/222. Ancient traditions and modern adaptations and problems are considered. May be taken independently of ANTH 221/222. 3 lecture hrs/wk. Prerequisite: Writing 121. S

APR - APPRENTICESHIP

APR 101: Introduction to the Trades & Technology (4)
This course provides an introduction to the necessary skills required for working in the trades. Students explore current trends in apprenticeship, and basic requirements to enter individual programs. Students will become familiar with licensing and certification in a chosen trade. General topics include: industry opportunities and basic concepts in safety, trade vocabulary, trade calculations, hand and power tools, blueprint reading, and basic rigging. 3 lecture, 3 lab hrs/wk.

APR 120: Industrial Safety (3)
This course will present training in OR-OSHA standards and related general safety and health provisions. Oregon Safety Law and subjects listed in OAR 437, Division 3 and OAR 437, Division 2 training and accident prevention measures are included, as well as safety committee procedures. 3 lecture hrs/wk.

APR 130: Mechanical Principles and Drive Designs (3)
This course will familiarize the student with the proper identification, interchanging, application, failure analysis, and selection of all types of bearings. Drive designs will also be taught in relation to belts and roller chain. 3 lecture hrs/wk.

APR 140: Beginning Welding for Apprentices (1)
This course covers welding processes, safety, equipment, and essential variables of operation. This is an outcome-based course utilizing a lab format in which students successfully demonstrate their skill level. 3 lab hrs/wk.

APR 141: Intermediate Welding for Apprentices (1)
This course will build upon skills learned in APR 140, with a continuing emphasis on the fundamentals and mechanics, welding processes, safety, equipment, and essential variables of operation. This is an outcome-based course utilizing a lab in which students demonstrate and build their skill level. Registration Enforced Prerequisite: APR 140. 3 lab hrs/wk.

APR 142: Advanced Welding for Apprentices (1)
This course will build upon the skills learned in APR 140 and APR 141, with a continuing emphasis on the fundamentals and mechanics, welding processes, safety, equipment, and essential variables of operation. This is an outcome-based course utilizing a lab in which students demonstrate and build their skill level. Registration Enforced Prerequisite: APR 141. 3 lab hrs/wk.

APR 143: Pipe Welding (1)
This course covers multiple welding processes for pipe welding applications. Safety, equipment, and essential variables of operation will be emphasized, as well as the fundamentals and mechanics of pipe welding. This is an outcome-based course utilizing a lab in which students demonstrate and build their skill level. Registration Enforced Prerequisite: APR 141. 3 lab hrs/wk.

APR 151: Basic Electronics and Electricity (4)
This course covers information on basic DC and AC electrical theory, definitions, basic component identification and analysis of series, parallel and combination circuits. Emphasis is placed on practical application, troubleshooting and problem solving. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 3 lecture, 2 lecture/lab hrs/wk.

APR 153: Electrical Applications and Techniques (3)
This course covers basic application techniques and components generally found in the industrial and commercial environments. Focus is on electrical safety and related industry safety standards. The National Electrical Code Book is utilized where applicable to reinforce code rules and proper application of associated articles. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 3 lecture hrs/wk.
APR 155: Electrical Best Practices (2)
The course includes techniques in conduit bending and installation, conductor installation, cable installation and conductor termination, including hands-on instruction. It covers tools available for installation, fasteners and panelboard mounting. The material presented will stress workmanship and professionalism, and will include a review of NEIS publications. 2 lecture hrs/wk.

APR 157: Introduction to the National Electric Code (2)
This course is an introduction to the National Electric Code and examines the structure, language and basic content of the Code. It will examine the basic wiring methods outlined in chapters 1, 2 and 3 of the National Electrical Code and evaluate methods and techniques necessary for a safe and reliable installation. 2 lecture hrs/wk.

APR 159: Electrical Blueprint Reading (2)
This course will provide the apprentice with the knowledge and understanding of how to read, draw, and interpret electrical drawings, symbols, schematics, prints, and schedules. One-line drawings, controller operational sequencing / troubleshooting, and applicable sections of the National Electrical Code are included. 2 lecture hrs/wk.

APR 160: Residential Wiring (3)
This course is an introduction to basic residential wiring and calculations. Topics include circuit layout, wiring design, wiring installation, service installation, and service and branch circuit calculations. Design techniques are reinforced through the use of testing equipment and installation practice. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 3 lecture hrs/wk.

APR 163: Commercial Wiring (3)
This course is an introduction to basic commercial wiring and calculations. It will give the student background in all aspects of commercial work, including services. Design techniques are reinforced through the use of testing equipment and installation practice. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 3 lecture hrs/wk.

APR 165: AC Electronics and Electricity (4)
This course covers the theory and application of magnetism, electromagnetism, the generation of electromotive force, AC and DC motor principles, transformer theory, types and applications. Focus is on an alternating current principles and the theories involving the proper wiring of AC circuits. The student will be introduced to electrical control circuits and the operation of a transistor. Registration-Enforced Prerequisite: APR 151. 3 lecture, 2 lecture/lab hrs/wk.

APR 167: Electric Motors and Transformers (3)
This course investigates the electric motors and transformers, and helps the student differentiate between winding styles, frame sizes, NEMA motor type designations, and other criteria. Motor sizing and starting characteristics and methods are discussed. Troubleshooting and maintenance are covered. NEC requirements for motor and transformer installation are included. Registration-Enforced Prerequisite: APR 153. 3 lecture hrs/wk.

APR 169: Electrical Code Study II (2)
This course is an in-depth study of grounding, over-current and electrical safety as found in Articles 240 and 250, along with safety-oriented excerpts found elsewhere in the National Electrical Code. 2 lecture hrs/wk.

APR 228: Rigging Fundamentals (3)
This course introduces the uses of slings and common rigging hardware along with basic inspection techniques, hitch configurations, and load-handling safety practices. Components of wire rope, wire rope inspection, proper installation of wire rope, maintenance guidelines, and end terminations and preparations will also be taught. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 2 lecture, 2 lecture/lab hrs/wk.

APR 229: Basic Pneumatics (3)
This course will help students understand fundamental concepts of a pneumatic system. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 3 lecture hrs/wk.

APR 239: Pumps and Pumping (3)
The course offers a complete spectrum of pump-related information needed to operate, maintain, and repair pumps. Pump theory, pump types, and pump components and their functions are included. Additional information includes pump curves, pump hydraulics, and operating conditions, as well as packing methods and selections, mechanical seals, pump piping systems, and pump identification. Registration-Enforced Prerequisite: MTH 052 or MTH 060. 3 lecture hrs/wk.

APR 251: Electrical Sensors and Control (3)
This course covers the basic concepts of open and closed loop control systems common to motion and process control. Process controls including pressure, temperature, flow, and levels of gases, liquids, and solids are studied. Various measurement methods are covered, and the operation of mechanical and electronic measurement sensors are explained. Introduction to AC and DC variable speed drives, as well as the fundamental operation of programmable logic controllers, PLC programming, basic numbering systems, and application examples are covered. Registration-Enforced Prerequisite: APR 167. 3 lecture hrs/wk.

APR 253: Electrical Code Study III (2)
This course is an in-depth overview of Chapter 3 in the National Electrical Code. It includes the study of general rules for wiring and calculating ampacity, as well as specific wiring methods and the codes involved in their installation. 2 lecture hrs/wk.

APR 255: Motor Controls I (2)
This course will teach basic electromechanical motor control theory, including input devices, logic, and pertinent sections of the National Electrical Code. The course will teach various common motor control circuits and will include hands-on training. Registration-Enforced Prerequisite: APR 151. 1 lecture, 2 lecture/lab hrs/wk.

APR 257: High Voltage Applications (2)
This course will outline hazards associated with high voltage work, along with applicable safety codes and practices. NFPA 70E will be discussed. Methods for routing, handling and terminating high voltage cable will be reviewed, along with applicable references from the NEC. Registration-Enforced Prerequisite: APR 153. 2 lecture hrs/wk.

APR 259: Solid State and Digital Applications (4)
This course covers information on thyristors, digital and analog IC’s, sensors and transducers. Digital circuit fundamentals are studied with an emphasis on troubleshooting and problem solving. Students will use test equipment to analyze digital integrated circuits. An overview of computer interfacing will be presented. Registration-Enforced Prerequisite: APR 165. 3 lecture, 2 lecture/lab hrs/wk.

APR 261: Electrical Code Study IV (2)
This course includes instruction on calculations required for wiring to Code, i.e., conduit and box fill, ampacity, motor and transformer calculations, service size, voltage drop and available short-circuit current. 2 lecture hrs/wk.

APR 263: Communications, Alarms and Controls (2)
This course will examine NEC requirements for low voltage installations, and will also cover the theory of operation of communications circuits, control and communications cable types, and termination and splicing techniques for various systems. Registration-Enforced Prerequisite: APR 151. 2 lecture hrs/wk.
ART 265: Motor Controls II (2)
This course will teach basic motor speed control theory, including input devices, logic, and motion control device theory. It will introduce variable frequency drives and PLC’s as well as other speed control methods. The course will include hands-on training. Registration-Enforced Prerequisite: APR 255. lecture, 2 lecture/lab hrs/wk.

ART 267: Advanced Code Study (3)
This course is an examination of the contents of Chapters 5, 6 and 7 of the National Electrical Code covering special occupancies and special equipment. It also examines the Oregon Specialty Codes as well as federal codes such as OSHA, UL, IEEE, UBC and others. Registration-Enforced Prerequisite: APR 157 or APR 169 or APR 253 or 261. 3 lecture hrs/wk.

ART 269: Journeymen Exam Preparation (3)
This course is refresher instruction with regular drills designed to improve the student’s ability to find and interpret National Electrical Code references. Registration-Enforced Prerequisite: APR 157 or APR 169 or APR 253 or 261. 3 lecture hrs/wk.

ART - ART

ART 115: Basic Design (3)
First course of a three-term sequence. Introduction of the visual elements and principles that constitute the language of art and design. Lectures and hands-on exercises enable the student to integrate theory and practice into effective visual communication. 2 lecture, 3 studio (lab) hrs/wk. F

ART 116: Basic Design (3)
Second course of a three-term sequence. Extensive study of the characteristics of color, with emphasis on the use of color as an expressive art medium. 2 lecture, 3 studio (lab) hrs/wk. W

ART 117: Basic Design (3)
Fundamentals of three dimensional design and form. Classical principles, elements and construction methods of three-dimensional forms. 2 lecture, 3 studio (lab) hrs/wk. S

ART 131: Introduction to Drawing (3)
Fundamentals of drawing. Sighting, measurements and other techniques used to create accurate drawings will be discussed and practiced. 2 lecture, 3 studio (lab) hrs/wk. F, Su

ART 132: Introduction to Drawing (3)
Continuation of Art 131. Shading, and drawing the effects of light and shadow to create the illusion of volume and deep space. 2 lecture, 3 studio (lab) hrs/wk. W

ART 134: Illustrating Nature (3)
This course serves as a bridge between art and science. 2 lecture, 3 lab hrs/wk. S (alternating years).

ART 197: Artist’s Survival/Practical Issues (3)
This class is designed for students in the Fine Arts, Art Education, Pre-Architecture, Desktop Marketing and Graphic Design. Through lectures, demonstrations and discussions, participants will learn and apply professional practices relevant to emerging artist’s careers. Students will learn to write artist’s statements and resumes, portfolio preparation, networking strategies, gaining exposure and representation for art work, creating publicity, basic marketing and exhibition strategies, presenting and installing art work, business concerns, art market dynamics, and about art collecting. Field trips to galleries and/or guest lectures will supplement classroom activities. Students may have opportunities to gain practical experience in the UCC gallery, through internships and/or through Service Learning Projects. 3 lecture hrs/wk. S

ART 204: History of Western Art (3)
A historical survey of the visual arts from prehistoric to modern times. Selected works of painting, sculpture, architecture, and other arts are studied in relation to the cultures producing them. Cave paintings to Early Christian and Byzantine period. Prerequisite: Reading 90 or equivalent score, computer literacy. 3 lecture hrs/wk. F (offered in alternating, odd years)

ART 205: History of Western Art (3)
Continuation of ART 204 emphasizing Islamic, Medieval, and Renaissance Art. Prerequisite: Reading 90 or equivalent score, computer literacy. 3 lecture hrs/wk. W (offered in alternating, even years)

ART 206: History of Western Art (3)
Continuation of ART 205, emphasizing the Baroque, Romantic, Neoclassical, Impressionist and Modern Art movements. Prerequisite: RD 090 or equivalent score, computer literacy. 3 lecture hrs/wk. S (offered in alternating, even years)

ART 210: Women in Art (4)
This course is a survey of women artists from the medieval period to the present. The course will attempt to view these artists in their historical/sociological contexts and will consider not only traditional “high art” media but women working in the craft traditions as well. The works of the most important women artists from each period will be studied in relation to the changing roles of women in society and to the art produced contemporaneously by men. Registration-Enforced Prerequisites: WR 121 and RD 115 or equivalent placement test scores. 4 lecture hrs/wk. S (offered in alternating, odd years)

ART 216: Introduction to the History of Photography (4)
Introduction to the History of Photography explores the history of photography since its processes were first announced in 1839. This course examines photographs as aesthetic objects, and as documents of history, scientific exploration and social change, while locating the medium and practice of photography within a broader social and artistic context. Contemporary photographic trends within the fields of art, science and journalism viewing will also be considered. Students will gain experience analyzing and discussing ways in which the presence of the photograph has shaped our relationship to the world around us. Registration-Enforced Prerequisites: WR 121, RD 090 and MTH 020 or equivalent placement test scores. 4 lecture hrs/wk. W (offered in alternating, odd years)

ART 217: Comics in American Culture (4)
A historical survey of American comic art and artists from the 1950s to the present. The course is primarily concerned with how comics has developed and matured as a distinctively American art form, reflecting and commenting on post-W.W. II American society in a variety of narrative forms: comic strips, comic books, and graphic novels. But not simply reflecting American culture, comics themselves have often been at the center of debates about the influence of media in shaping the national character. Equally important to the course are issues of content versus social regulation (which structured the discourse of the Congressional debates concerning juvenile delinquency during the 1950s) and issues involving the Comics Code Authority, which still governs the content of mainstream comics today. Countercultural comics of the 1960s and 1970s as well as alternative comics of the 1980s and 1990s round out our investigation of comics in American culture by helping us to understand comics as a system of cultural representations. Registration-Enforced Prerequisites: WR 121 and RD 090 or equivalent placement test scores. 4 lecture hrs/wk. F (offered in alternating, even years)
ART 221: Illustration for Designers (3)
This course addresses the concepts and techniques necessary to create illustrations for use in print, web and multimedia applications. Students will work with software packages utilized by professional illustrators. Assignments may include digital and analogue illustrations. The class is portfolio driven, training students to follow a professional practice for interpreting the brief, generating ideas, sketches and conducting necessary research to develop a concept for production. Throughout the course, students will explore and create narratives through the use of line, image, color and type. The course will consist of lectures, demonstrations and lab time in order for students to implement and practice technical and conceptual issues. Students must present work that has been edited and looks as though every detail has been attended to. The software most used in class will be Adobe Illustrator and Photoshop. Students are certainly allowed to use other software suites in conjunction with these as they see fit. 2 lecture, 3 lab hrs/wk. S

ART 222: Graphic Design I (3)
This is the first in a three-course sequence required for second year Visual Communications students. This series focuses on using images and type to communicate effectively in a variety of visual formats. The course will build on typographic, compositional and imaging skills that students have started to develop in earlier classes. The design of series, sequences and publications will extend the potential of image/type relationships. The class structure is primarily studio-oriented and project-based, although there will be readings assigned and some required writing. The hands-on "doing" of design will be supplemented with lectures, demonstrations, critiques, and possible field trips and guests. Exposure to the technical aspects of graphic arts production for printing will supplement the creative and problem-solving exercises.
Registration Enforced Prerequisites: ART 115, ART 226, VC 111, VC 114, VC 130, VC 139. 2 lecture, 3 lab hours/wk. F

ART 223: Graphic Design II (3)
This is the second course in a three-course sequence required for second year Visual Communications students. This series focuses on using images and type to communicate effectively in a variety of visual formats. The course will build on typographic, compositional and imaging skills that students have started to develop in earlier classes. The design of series, sequences and publications will extend the potential of image/type relationships. The class structure is primarily studio-oriented and project-based, although there will be readings assigned and some required writing. The hands-on "doing" of design will be supplemented with lectures, demonstrations, critiques, and possible field trips and guests. Exposure to the technical aspects of graphic arts production for printing will supplement the creative and problem-solving exercises.
Registration Enforced Prerequisite: ART 222. 2 lecture, 3 lab hrs/wk. W

ART 224: Graphic Design III (3)
This is the third course in a three-course sequence required for second year Visual Communications students. This series focuses on using images and type to communicate effectively in a variety of visual formats. The course will build on typographic, compositional and imaging skills that students have started to develop in earlier classes. The design of series, sequences and publications will extend the potential of image/type relationships. The class structure is primarily studio-oriented and project-based, although there will be readings assigned and some required writing. The hands-on "doing" of design will be supplemented with lectures, demonstrations, critiques, and possible field trips and guests. Exposure to the technical aspects of graphic arts production for printing will supplement the creative and problem-solving exercises. 2 lecture, 3 lab hrs/wk. S

ART 226: Typography (3)
An exploration of typographic structures, terminology and methods as a tool for visual problem solving. This studio course uses both computer and hands on methods to address the language of type and its effective use. By studying the language of type through its history and application, students will gain strong working knowledge of this essential element in graphic design. Registration Enforced Prerequisite: ART 115. 2 lecture, 3 lab hrs/wk. W

ART 234: Figure Drawing (3)
An introduction to drawing the human figure. Measurement, shading, and interpretation with various media are presented. 2 lecture, 3 studio (lab) hrs/wk. S

ART 239: Digital Illustration (3)
This is an intermediate class in creating digital illustration. Students are challenged by assignments based on jobs typical of those given in the professional arena such as advertising, publishing, and editorial illustration. Students will develop illustrations using traditional thumbnails, sketches, and color studies, and complete the final artwork using Adobe Illustrator and Adobe Photoshop. Students will review trends in contemporary digital art, learn about contemporary freelance business practices, and begin to develop a digital illustration style. Final digital renderings will be expected to demonstrate the same qualities as traditional illustration, including but not limited to style, composition, color theory, perspective, and concept. Final illustrations will also be assessed for technical cleanliness, editability, and adherence to guidelines given. Registration Enforced Prerequisites: ART 221 and VC 139. 2 lecture, 3 lab hrs/wk. S

ART 250: Ceramics (3)
Clay form making methods and techniques with emphasis on wheel throwing, glazing and firing ceramics. History and evolution of ceramics. Raku firing included. 2 lecture, 3 studio (lab) hrs/wk. F, Su

ART 251: Ceramics (3)
Review of clay forming methods for beginners. Wheel throwing and formulation of glazes. Surface treatment, decoration and glaze application. Raku firing included. 2 lecture, 3 studio (lab) hrs/wk. W

ART 252: Ceramics (3)
Continuation of the review of clay forming methods and glazes for non-professionals. Advanced glaze and clay formulation, kiln design and firing procedures, and advanced wheel throwing. 2 lecture, 3 studio (lab) hrs/wk. S

ART 253: Introduction to Ceramic Handbuilding (3)
This course introduces students to handbuilding techniques in clay. The class will explore all the basic ways of forming art objects in clay without the use of the potter’s wheel. This will include coil construction, soft-slab construction, hard-slab construction, pinching, tile and mold making. Students will learn to use the various tools involved in these techniques such as the slab roller and extruder. Following lectures and demonstrations, students will experiment with these processes and fabricate ceramic art objects using them. Students will also learn glazing and other surface decoration methods for finishing. 2 lecture, 3 lab hrs/wk. S

ART 254: Ceramic Handbuilding II (3)
This course is the second in a series of three classes on the art of ceramic handbuilding. The course will continue to explore the various ways to form art objects in clay without the use of the potters’ wheel. The emphasis in this class will be on slab construction with an increased consideration of content in the ceramic projects. Glaze formulation and testing will also be emphasized. 2 lecture, 3 lab hrs/wk. W

ART 255: Ceramic Handbuilding III (3)
This course is the third in a series of three classes on the art of ceramic handbuilding. The course will continue to explore the various ways to form art objects in clay without the use of the potters’ wheel. The emphasis in this third class will be on advanced construction techniques. Content and form will be explored in all assignments. This course will also cover mold making for ceramics and non-high fire surface decoration techniques. 2 lecture, 3 lab hrs/wk. S

ART 261: Photography (3)
Advanced photography and darkroom procedures, including alternative processes. This is a chemical darkroom photography class. It does NOT cover digital techniques. Students must provide a fully adjustable Single Lens Reflex (SLR) film camera. Prerequisite: ART 261 or consent of instructor. 2 lecture, 3 studio (lab) hrs/wk. F
ART 263: Advanced Photography: Introduction to Digital Imaging (3)
Introduces the beginning student to input, manipulation, and output of digital photographs. Students will learn basic uses of digital cameras and desktop scanners to input images into the computer. Introduction to use of Adobe Photoshop, and the use of digital equipment as an enhancement to conventional darkroom processes. Some computer and darkroom experience is strongly recommended. Students must provide a fully adjustable 35 mm film or digital SLR camera. 2 lecture, 3 studio (lab) hrs/wk. W

ART 270: Introduction to Printmaking (3)
Students will learn the basics of relief printing on wood and lino. Course covers single- and multiple-color reduction cuts and multiple block techniques. Color registration and stencil use will also be covered. All printing will be done by hand on Japanese paper using water-soluble inks. 2 lecture, 3 studio (lab) hrs/wk. F (not offered every year)

ART 272: Introduction to Printmaking II (3)
Printmaking techniques allow an artist to produce multiple copies of the same image. This studio course is instruction in the fundamentals of: collograph or monotype, single-color relief or intaglio printing using solar prints, and silkscreen techniques. 2 lecture, 3 studio (lab) hrs/wk. W (not offered every year)

ART 280: Cooperative Work Experience: Art (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

ART 281: Painting (3)
Introductory course for beginning students, employing oil media. Emphasis on basic technical skills of painting, physical properties and manipulation of materials, painting concepts and art historical context. Develops understanding of composition and color necessary for intermediate-level painting courses. Students complete several painting compositions. 2 lecture, 3 studio (lab) hrs/wk. F, W - varies, not offered every year

ART 282: Painting (3)
Continuation of experiences begun in ART 281, emphasizing personal interpretations and varied experiences with the painting medium. 2 lecture, 3 studio (lab) hrs/wk. F, W - varies, not offered every year

ART 291: Sculpture (3)
History and techniques of sculptural form. Modeling, carving and construction in clay and plaster, human and organic figure study. 2 lecture, 3 studio (lab) hrs/wk. F

ART 292: Sculpture (3)
Sculptural techniques in wood and stone. Introduction to welding and brazing techniques. Mold making, wax sculpture, and casting bronze. 2 lecture, 3 studio (lab) hrs/wk. W

ART 293: Sculpture (3)
Sculptural techniques cast in bronze. Jewelry and sculpture casting. Study of traditional and contemporary form and technique. 2 lecture, 3 studio (lab) hrs/wk. S

ART 294: Watercolor (3)
Students will explore the use of various water media, with particular emphasis on transparent watercolor. This class introduces the basic technical skills of painting with water media, the physical properties and manipulation of the materials, visual theory of composition and color knowledge. Students complete a number of painting assignments. In-class instruction and demonstrations will be supplemented with work on location. Prior experience with drawing and/or Basic Design is helpful. 2 lecture, 3 studio (lab) hrs/wk. S

ART 299: Special Studies in Art (1-2)
Offers private, one-on-one studio instruction in a specific medium. This course provides an opportunity for the student to acquire additional depth and personal achievement in any area of art beyond what is supplied by usual course. 3-6 lab hrs/wk

AUT - AUTOMOTIVE

AUT 101: Basic Automotive Skills I (3)
First of a three-part series; a basic automotive series of classes designed to ready students for a college level Automotive Program. This class focuses on using proper tools and equipment as well as the operating concepts of a few of the major systems used in an automobile. 6 lecture/lab hrs/wk.

AUT 102: Basic Automotive Skills II (3)
Second of a three-part series; a basic automotive series of classes designed to ready students for a college level Automotive Program. This class continues its focus on the operating concepts of the majority of the major systems used in an automobile not covered in the first class of the series. 6 lecture/lab hrs/wk.

AUT 103: Basic Automotive Skills III (5)
Third of a three-part series; a basic automotive series of classes designed to ready students for a college level Automotive Program. This class adds electronics and diagnostics to the previous two classes in the series. (This complies with Job Corps TARS). Soft skills necessary for employment are taught and reinforced such as use of a time clock, completing repair orders (including concern, cause, and correction), and completing parts order slips. 10 lecture/lab hrs/wk...

AUT 151: Internal Combustion Engines (5)
The operating principles and function of each of the major parts of the American-produced, reciprocating piston, internal combustion, gasoline and diesel burning engines are presented and discussed. Service, overhaul, and trouble-shooting techniques as they relate to each component are also covered. 26 lecture/78 lab hrs (5-wk course) S

AUT 155: Automotive Brakes (5)
A course designed to teach students the principles of automotive brakes. Basic concepts and terminology, fundamental principles, diagnosis and overhaul techniques are an integral part of this course. Special emphasis is placed on the study, diagnosis and repair of braking systems found on late-model domestic and import vehicles. The student should acquire knowledge of brake and trouble-shooting procedures for both disc and drum brakes, as well as overhaul and rebuilding of all brake components. Toyota infused course. 26 lecture/78 lab hrs (5-wk course) F, W

AUT 158: Automotive Suspension and Alignment (5)
A study of automotive suspension systems including history and development. Fundamentals of front and rear suspension, steering geometry, diagnosing suspension and steering problems, and overhaul techniques are covered in this course. Rebuilding of the different types of front and rear suspensions including strut types is practiced. This course provides a detailed study of both two- and four-wheel alignment. Wheel alignment factors, wheel balancing equipment and procedures are also covered in detail. Toyota infused course. 26 lecture, 78 lab hrs (5-wk course) F, W
AUT 161: Power Trains (5)
Instruction is provided in the theory, operation and repair of the components of the automotive power train in both domestic and foreign cars. Clutches, standard transmissions, transaxles, drive shafts, and final drives are covered in structured class sessions. Lab sessions are devoted to work on components of the power train with some experience provided on live vehicles. Toyota infused course. 26 lecture/78 lab hrs (5-wk course) S

AUT 168: Automotive Electricity I (5)
This is the first course in a two-course sequence and is an introductory course in electricity and electronics for automotive students. Basic electrical theory, types of electrical circuits, batteries, relays, starting systems, meter construction and use are an integral part of this course. Lab times are used to reinforce concepts discussed in class through use of directed projects and activities. Time is spent in the lab developing troubleshooting techniques and skills with the Snap-On EEDMS04D auto ranging meter. The integration of applied mathematics, basic chemistry and physics, and other such scientific concepts is stressed. Practical skills are established including component identification, wiring techniques, use of test equipment, and appropriate safe work habits. Topics include; electric circuits, magnetism, electronic devices, and integrated circuits. Toyota infused course. 26 lecture/78 lab hrs (5-wk course) S

AUT 169: Automotive Electricity II (5)
In part one of this sequence, the topic of study is centered on basic electrical principles and the identification of different types of circuits and how they work, including the application of Ohm’s law to demonstrate the relationship between current, voltage and resistance. A continuity of battery and starting systems will carry over briefly as a review and will be discussed when the topics apply to the concepts at hand. In this course these concepts will be taken one step further and applied directly to any diagnosed electrical problem. Drawing from prior learning in this series, learned knowledge will be applied in detail toward the diagnosis of electrical systems utilizing all resources available. New knowledge topics presented will be: automotive charging systems, ignition systems, and body electrical. Toyota infused course. Prerequisite: AUT 168. 26 lecture/78 lab hrs (5-wk course) S

AUT 259: Electronic Fuel Injection & Computer Control Systems I (5)
This is an introductory course that begins with the history of automotive computer systems. This history includes electronic feedback carburetors and first generation fuel injection. Course of study will begin with first generation fuel control systems and the sensory sub-systems that controlled them. Students will be exposed to the progressive improvement in design and operation of the production vehicle. Operation, basic theory, and basic diagnosis will be a part of this course in classroom and lab work. Toyota infused course Prerequisite: AUT 168, AUT 169, AUT 151. 26 lecture/78 lab hrs (5-wk course) W

Computer controlled engine systems are studied, including operation, testing, and troubleshooting. Emphasis is placed on troubleshooting, diagnosis, and repair of specific complaints. Techniques used for detecting faulty coils, distributor components, engine emission components, fuel components and fuel system air fuel ratios are studied. Laboratory exercises involve the use of computer controlled system testers, infrared exhaust analyzers, and other advanced equipment. Toyota infused course Prerequisite: AUT 259. 26 lecture/78 lab hrs (5-wk course) W

AUT 263: Automatic Transmissions (5)
Instruction in automatic transmissions, including principles of operation, troubleshooting and overhaul procedures. Instruction includes hydraulically-operated transmissions, torque converters and fluid couplings common to the domestic automotive field; along with knowledge and skills necessary to successfully diagnose, trouble-shoot, and repair electronically controlled transaxles, and transmissions. 26 lecture/78 lab hrs (5-wk course) W

AUT 280: Cooperative Work Experience: Automotive (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Toyota infused course. Registration Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab. F, W, S, Su

AUT 286: Climate Control Systems (5)
This course covers the automotive heating, cooling and air conditioning systems. Lecture sessions are devoted to the purpose, operational theory, and diagnostic processes common to each of the above areas. Lab sessions are provided to develop student skills in servicing, troubleshooting and repairing each component within the specific system. Student will work on both components and live vehicles as part of the learning process. Toyota infused course. Prerequisite: A 30 credits in Automotive or instructor approval. 26 lecture/78 lab hrs (5-wk course) S
AV 115: Careers in Aviation (3)
The course is designed to help students explore various career options and prepare for a career in aviation. A variety of employment opportunities are investigated, including commercial, business, corporate, military and general aviation. Emphasis will be given to careers in operations and flight technology. 3 lecture hrs/wk F

AV 121, 122, 123, 124: Flight Hours-Dual & Solo
Dual & Solo Flight time at Western Oregon School of Aviation in Roseburg. Classes are sequential, weather permitting. In order to receive FAA license, minimum of 40 hours flight time required. (20 hrs in dual, 20 hrs in solo.) F W, S, Su

AV 121: Flight Lab/Dual
AV 122: Flight Lab/Dual
AV 123: Flight Lab/Solo
AV 124: Flight Lab/Solo

AV 150: Aerodynamics (5)
This course is an in-depth study of aerodynamics, beginning with a brief history of the development of flight and flight theory. The physics of lift, drag, weight and thrust are related to airfoil and airplane design and operational characteristics. Aircraft stability and control are related to airplane performance and safety. Students will demonstrate their knowledge of aerodynamics through projects in which they predict aircraft performance, then test their predictions in flight. 5 lecture hrs/wk. Prerequisite: MTH 095. S

AV 204: Aircraft Systems II (4)
This course entails a detailed study of aircraft systems and structures and enables the student to progress into heavier, more complex single and multi-engine aircraft. Aircraft in current use by industry will be studied with an emphasis placed on operations, including emergencies. Applicable Federal Aviation Regulations, including use of Minimum equipment Lists, will be studied. 4 lecture hrs/wk. Prerequisite: AV 104 W

AV 208: Aviation Meteorology Applications (4)
This class includes detailed analysis of weather reports and forecasts and application of weather information to VFR and IFR flight planning and decision-making. Atmospheric circulation systems, airmass characteristics, and large scale weather patterns are related to instrument and commercial flight operations. Weather hazards, including wind shear, thunderstorms, turbulence, icing and instrument meteorological conditions will be discussed with emphasis on flight safety. 4 lecture hrs/wk. Prerequisite: AV 108 or instructor consent. F

AV 210: Instrument Pilot (5)
This course includes ground instruction of aeronautical skills and knowledge applicable to the instrument pilot certification portion of the Professional Pilot training syllabus. Emphasis is on flight planning and decision-making. Subjects covered include night flight, physiology, aircraft flight instruments and instrument systems, systems and equipment malfunctions, altitude instrument flight, instrument preflight procedures, radio navigation systems, and operation, and basic radio navigation. Study also includes environmental hazards, airspace and airport operations, Air Traffic Control system and services, obtaining weather reports and forecasts for IFR flight, Federal Aviation Regulations applicable to instrument flight, IFR departure, enroute and approach procedures and operations, and IFR emergencies. FAA Written Exam. This course requires 10 hours of simulator instruction. Flight Lab AV 121 required per FAA minimum. See AV 121, 122, 123, 124. 5 lecture hrs/wk. Prerequisite: AV 110; FAA Private Pilot Rating. S

AV 220: Commercial Pilot (5)
Ground instruction of aeronautical skills and knowledge applicable to the commercial pilot certification portion of the Professional Pilot training syllabus. Subjects covered include night flight, physiology, advanced aerodynamics, aircraft performance, weight and balance, complex aircraft operations, advanced airplane systems, commercial operations, and Federal Aviation Regulations for commercial pilots and commercial flight operations, with emphasis on human factors, crew resource management and decision-making. FAA Written Exam. This course requires three hours of simulator instruction. Flight Lab AV 121 required per FAA minimum. See AV 121, 122, 123, 124. 4 lecture hrs/wk. Prerequisite: AV 210; FAA Instrument Pilot Rating. F

AV 230: Multi-engine Pilot (5)
Ground instruction of aeronautical skills and knowledge applicable to the commercial and multi-engine pilot certification portion of the Professional Pilot training syllabus. Emphasis is on flight planning and decision-making, human factors, and crew resource management. Includes multi-engine aircraft systems, and operations, aerodynamics of multi-engine aircraft, performance considerations, engine-out operations, emergency operations, and multi-engine instrument operations, and high altitude operations. This course requires four hours of simulator instruction. 5 lecture hrs/wk. Prerequisite: AV 210; FAA Instrument Pilot Rating. W

AV 235: Crew Resource Management (4)
An introduction to the field of human behavior and characteristics as critical factors in the design and operations of electronic/machine systems. Emphasis is on crew resource management and human factors, including the study of human performance in complex systems with an examination of personality, stress, anxiety, fatigue, communication skills, decision-making, situational awareness, analysis of aviation incidents and accidents, and practical application of human factors and performance to modern aviation. Three hours of simulator training is required to complete this course. 4 lecture hrs/wk, 3 lab hrs/term. S

AV 240: Small Business in Aviation (4)
An introductory course designed to acquaint the student with the various entrepreneurial opportunities in general aviation and the requirements for the formation of a business in general aviation. Emphasis is placed on the development of the business concept, how to research concept feasibility, legal structures, organization, management, financial requirements, marketing, decision process, goal setting, and the business plan. 4 lecture hrs/wk. F

AV 256: CFI Ground School
An introductory course designed to acquaint the student with the various entrepreneurial opportunities in general aviation and the requirements for the formation of a business in general aviation. Emphasis is placed on the development of the business concept, how to research concept feasibility, legal structures, organization, management, financial requirements, marketing, decision process, goal setting, and the business plan. 4 lecture hrs/wk. S

AV 280: Cooperative Work Experience: Aviation(1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab F, W, S, Su
BA - BUSINESS ADMINISTRATION

BA 062B: AMA Managing and Resolving Conflict (1)
This course focuses on resolving conflicts effectively and developing productive working relationships. Designed for managers and supervisors in business, industry, and government. 1 lecture hr/wk.

BA 062C: AMA-Communication Skills for Managers (1)
This course focuses on effective oral, non-verbal and written communication. Participants will develop techniques to better express themselves in writing reports, conferencing with colleagues, and running meetings. This course is designed for managers and supervisors in business, industry, and government. 1 lecture hr/wk.

BA 062D: AMA-First Line Supervision (1)
The course covers the essential elements of supervising others. Focus will be on leadership styles, decision making, rewards, productivity, conflict, grievances, and problem employees. Designed for managers and supervisors in business, industry, and government. 1 lecture hr/wk.

BA 062F: AMA -What Managers Do (1)
This course focuses on contemporary management skills of planning, organizing, staffing, motivating, and controlling. Designed for managers and supervisors in business, industry, and government. 1 lecture hr/wk.

BA 062I: AMA -Manager’s Guide to Human Behavior (1)
This course focuses on methods to inspire employees for high performance, maximize positive impact on others, deal with on-the-job conflict, develop more productive working relationships, establish rapport, establish mutual trust, and receive performance feedback. Designed for managers and supervisors in business, industry, and government. 1 lecture hr/wk.

BA 101: Introduction to Business (4)
A one-semester course of modern business concepts and including: economics, accounting, stock market, ethics, global business, management, human relations and marketing. Students utilize the Internet to research corporate profiles and stock information. An essential course for persons who have not yet determined their academic majors. A useful course for students unfamiliar with the business world. 4 lecture hrs/wk. F, W, S, Su

BA 106A: Business Leadership I (1)
This is one in a series of three courses designed to introduce students to leadership. Within the scope of topics, students will examine traits and characteristics of business leaders. Behavior, influence, conflict, resolution, and team leadership will also be examined. 1 lecture hr/wk. F, W, S

BA 106B: Business Leadership II (1)
This is one in a series of three courses designed to introduce students to leadership. Within the scope of topics, students will examine traits and characteristics of business leaders. Behavior, influence, conflict, resolution, and team leadership will also be examined. 1 lecture hr/wk. F, W, S

BA 106C: Business Leadership III (1)
This is one in a series of three courses designed to introduce students to leadership. Within the scope of topics, students will examine traits and characteristics of business leaders. Behavior, influence, conflict, resolution, and team leadership will also be examined. 1 lecture hr/wk. F, W, S

BA 116: Principles of Financial Services (4)
This is a one-term course which is designed for students interested in a financial services career. Students gain knowledge of the financial services field and are provided with a basic understanding of products, services, regulations, accounts, cash and checks, and the lending function for banks and credit unions. The course is also relevant for students seeking careers in areas which deal with or interact with financial services companies. 4 lecture hrs/wk. W

BA 128: Accounting Applications I (2)
Accounting Applications I is the first course of a three-term sequence designed to introduce the student to computerized accounting applications and provide extensive hands-on experience in the application of accounting practice and methodology using Microsoft Excel. The course will focus on providing experience with the basic operation of the personal computer in a Windows environment and helping the student gain proficiency in the utilization of spreadsheets and accounting software for solving a variety of financial problems and exercises. Registration-Enforced Co-requisite: BA 211 or instructor permission. 1 lecture, 2 lecture/lab hrs/wk. F, W

BA 129: Accounting Applications II (2)
Accounting Applications II is the second in a three-term sequence designed to provide the student with extensive hands-on experience in the application of accounting practice and methodology. Students are required to complete numerous accounting applications involving progressively more complex and difficult material in a computerized financial accounting environment. Registration-Enforced Prerequisite: BA 128 with a grade of C or better. Registration-Enforced Co-requisite: BA 212 or instructor permission. 1 lecture, 2 lecture/lab hrs/wk. W, S

BA 130: Accounting Applications III (2)
Accounting Applications III is the third in a three-term sequence designed to provide the student with extensive hands-on experience in the application of accounting practice and methodology with an emphasis on internal accounting. Students will complete numerous accounting applications involving progressively more complex and difficult material in a computerized managerial accounting environment. The course will focus on gaining an understanding of and proficiency in the use of spreadsheets and software for solving a variety of accounting problems and exercises. Registration-Enforced Prerequisite: BA 129 with a grade of C or better. Registration-Enforced Co-requisite: BA 213 or instructor permission. 1 lecture, 2 lecture/lab hrs/wk. S, Su

BA 150: Developing a Small Business (4)
Developing a Small Business is an introductory course designed to introduce students to the important elements and steps involved in starting a small business. Topics discussed are concepts and concerns including entrepreneurship, risks involved with small business, entrepreneurial myths, the feasibility of the small business idea, developing a business plan, marketing strategies, financial projections, human resource considerations, and building a company image. Registration-Enforced Prerequisite: BA 101. 4 lecture hrs/wk. W

BA 151: Practical Accounting I (4)
The first of a two-term sequence designed to provide students with sound basic knowledge of accounting terms, concepts, and procedures. Topics include: an introduction to the accounting cycle, analyzing and recording business transactions, posting to ledgers, using special journals, inventory valuation, preparing financial statements, and year-end closing. Practical applications of bookkeeping and accounting will be emphasized through various assignments and exercises. 4 lecture hrs/wk. F, W

BA 152: Practical Accounting II (3)
The second course of a two-term sequence, this course builds on the concepts presented in the first term, providing expanded coverage of operating activities, financial reporting, and accounting for selected balance sheet items. Practical bookkeeping and accounting applications will be emphasized through various assignments and exercises, and a practice set which will be completed using a computerized accounting system. Enrollment is therefore limited based on available computer resources. Registration-Enforced Prerequisite: BA 151 with a grade of C or better or instructor permission. 2 lecture, 2 lecture/lab hrs/wk. W, S
BA 160: Accounting for Managers (3)
This course is designed to provide the non-financial manager (supervisor) with an understanding of accounting and the manner in which it can be used to make financial decisions. Topics covered include: 1) measuring and reporting of accounting data; 2) analyzing and interpreting accounting data; 3) systems and controls (including computer applications); and 4) analyzing costs. 3 lecture hrs/wk.

BA 165: Customer Service (3)
Provides students with the basic concepts and current trends in the customer service industry. Special areas of emphasis include problem solving, development of a customer service strategy, creating customer service systems, coping with challenging customers, customer retention, and measuring satisfaction. 3 lecture hrs/wk. F, W, S, Su

BA 177: Payroll Accounting (4)
Instructs students on how to compute payroll using both a manual and computerized approach. Students gain a knowledge of the various Federal and State laws and programs that affect payroll, and how to make tax payments and file the required tax returns. Computerized accounting will be emphasized as students apply “QuickBooks Pro” software to an extensive payroll project. Registration-Enforced Prerequisite: BA 211 or BA 151 or instructor approval. Minimum grade of C for Accounting Technology majors. 3 lecture, 2 lecture/lab hrs/wk. F

BA 180: Business Mathematics I (3)
Business Mathematics I introduces the student to the mathematics of buying and selling, simple interest, payroll, and banking records. The course will review decimals, fractions, and percents. Registration-Enforced Prerequisite: MTH 020 with a grade of C or better or placement test score. 3 lecture hrs/wk. F, W, S

BA 181: Business Mathematics II (3)
Students use financial function calculators (TI BA35) to solve business problems relating to the time value of money. Applications include investments, amortization, use of credit, etc. Other topics include risk management math, and promissory notes. Registration-Enforced Prerequisite: BA 180 with a grade of C or better. 3 lecture hrs/wk. S

BA 203: Introduction to International Business (3)
This course provides an overview and introduces the student to international business including within which international transactions take place. Emphasis is placed on international business organizations, strategic planning, negotiations and considerations for international business operations. Provides an insight into the political, economic, technological and cultural environments and how each affect world trade, foreign direct investment and human resources management in the context of globalization. 3 lecture hrs/wk. F

BA 206: Management Fundamentals (3)
This is a basic course in management with emphasis on the application of sound managerial practices and techniques. Managerial functions including planning, organizing, leading, and controlling are studied in the framework of this course. Registration Enforced Prerequisite: BA 101 with a grade of C or better. F

BA 207: Introduction to E-Commerce (3) Online
This course provides students with a firm grounding in the technologies, strategies and impact of e-commerce. Broadly defined, e-commerce refers to the use of Information Technologies, in particular the Internet, in providing support to all types of activities that take place both within and between organizations. Registration-Enforced Prerequisite: BA 101, CIS 120. 3 lecture hrs/wk. S

BA 211: Principles of Accounting I (3)
Principles of Accounting I, the first of a three-term accounting sequence, serves as an introduction to the accounting environment and accounting cycle. Topics covered include transaction analysis, journalizing, posting, adjusting, closing, and financial statement preparation. The course also covers accounting for certain balance sheet items including cash, inventory, accounts, and notes receivable. Prerequisite: Second-year standing for students planning to transfer to a 4-year university and earn their bachelor’s degree in business administration. Accounting Technology (A.A.S. degree) majors should enroll in their first year and be concurrently enrolled in Accounting Applications I (BA 128). 3 lecture hrs/wk. F, W, S

BA 212: Principles of Accounting II (3)
Principles of Accounting II is the second of a three-term accounting sequence and serves as a continuation of BA 211. Topics covered include accounting for fixed assets, introduction to payroll accounting, debt and equity financing, and the statement of cash flows. The course concludes with an introduction to financial statement analysis. Registration-Enforced Prerequisite: BA 211 with a grade of C or better or instructor permission. Accounting Technology and Entry Management majors need to be concurrently enrolled in Accounting Applications II (BA 129). 3 lecture hrs/wk. W, S

BA 213: Principles of Accounting III (3)
Principles of Accounting III is the third course in a three-term accounting sequence. The course builds on concepts presented in BA 211 and BA 212, focusing on the role of providing accounting information to managers for use in the internal decision-making process. Topics covered include costing goods and services, analysis of variable costs vs. fixed costs, cost-volume-profit relationships, and standard costs and variances. Registration-Enforced Prerequisite: BA 212 with a grade of C or better or instructor permission. Accounting Technology majors need to be concurrently enrolled in Accounting Applications III (BA 130). Registration-Enforced Prerequisite: BA 212 with a grade of C or better or instructor permission Accounting Technology majors need to be concurrently enrolled in Accounting Applications III (BA 130). 3 lecture hrs/wk. S, Su

BA 214: Business Communications (3)
This course covers strategies of effective business communication. Registration-Enforced Prerequisite: WR 115 or equivalent. 3 lecture hrs/wk. F, W, S

BA 215: Cost Accounting (4)
This course provides a thorough understanding of cost concepts, cost behavior, and cost accounting techniques as they are used for estimating the costs of products produced and services provided by an organization and for providing cost information for managerial use in decision making, planning, controlling, and performance evaluating. Topics covered include standard costing, service department costing, financial statement analysis, overhead variance analysis, flexible budgeting, profitability analysis, and capital budgeting. Analysis of cost data for decision-making is integrated with cost accounting systems. Registration-Enforced Prerequisite: BA 213 with a grade of C or better or instructor permission. 3 lecture, 3 lab hrs/wk. F

BA 218: Personal Finance (3)
Introduces students to topics affecting personal financial planning such as budgeting, spending, saving, borrowing, and investing. Learning will be accomplished through a variety of activities including reading the text, completing homework problems and accessing Texas Instruments Business Calculator for problem solving. 3 lecture hrs/wk. W, S

BA 222: Financial Management (3)
An introduction to financial management structured to provide the student with an intuitive understanding of finance concepts and an appreciation of the way those concepts are applied in practice. Students should gain a firmer grasp on material previously covered in accounting, but now translated into the financial decision-making process. Registration-Enforced Prerequisite: BA 211 and BA 212. Minimum of C grade for Accounting Technology majors. 3 lecture hrs/wk. S
Covers the basic components of marketing such as consumer behavior, marketing research, production, distribution, promotion and pricing. Includes current marketing emphasis on customer service and global marketing. Case studies, videos and guest speakers enhance student learning. Registration-Enforced Prerequisite: BA 101 with a grade of C or better or instructor permission. 3 lecture hrs/wk. S

Develops a basic knowledge of the objectives and methods of business law. Topics covered include the court system, civil and criminal law, contracts and the Uniform Commercial Code. The latter will introduce making transactions and commercial paper. Prerequisite: BA 101 or instructor approval. 4 lecture hrs/wk. F, W, S

Computerized Accounting Systems I (2)  
Computerized Accounting Systems I is the first in a three-term sequence designed to introduce second-year accounting students to computer based accounting systems. In this course, computers are used to apply the basic principles and procedures of accrual accounting. Computer accounting applications include general ledger, accounts receivable, accounts payable, invoicing, payroll, inventory, and job costs. Prerequisite: Second year standing in A.A.S. accounting program or instructor approval. Registration-Enforced Co-requisite: BA 235. 1 lecture, 2 lecture/lab hrs/wk. W

Computerized Accounting Systems II (2)  
Computerized Accounting Systems II is the second in a three-term sequence designed to introduce second-year accounting students to computer based accounting systems. The emphasis of this course is on the conversion of manual accounting systems to computerized accounting systems. The course utilizes an extended practice set that requires students to maintain a manual accounting system, convert the manual system to a computerized system, maintain the computerized system, and prepare year-end reports using the computerized system. Students become familiar with the special complexities and decisions required during the conversion process and how these decisions affect subsequent procedures. Registration-Enforced Prerequisite: BA 228 with a grade of C or better Registration-Enforced Co-requisite: BA 236. 1 lecture, 2 lecture/lab hrs/wk. S

Computerized Accounting Systems III (2)  
Computerized Accounting Systems III is the third in a three-term sequence. The focus of this class is on the specialized accounting requirements of Governmental and Not-For-Profit entities. This course explores the peculiarities of fund accounting, the measurement focus of governmental versus private enterprise accounting, and reporting requirements of governmental and other not-for-profit entities. Registration-Enforced Prerequisite: BA 236 with a grade of C or better. Registration-Enforced Co-requisite: BA 230. 3 lecture hrs/wk. S

A basic course dealing with the fundamentals of selling. Specifically studied are prospecting, qualifying, presentations, closing, selling communications, customer motivation, selling occupations, sales management and customer service. 3 lecture hrs/wk. F

An introduction to profitable advertising. The total advertising campaign and advertising preparation is studied from the standpoint of: copy, layout, various media, budgets, buyer motivation, market structure, and analysis of various types of advertisements. 3 lecture hrs/wk. S

Introduction to Auditing is an introductory course in auditing procedures and practices. It includes the audit process and environment, the audit profession, professional standards, financial statement examination, substantive testing procedures, and work-paper preparation. Registration-Enforced Prerequisite: BA 235 or instructor permission. 3 lecture hrs/wk. W

Designed to acquaint students with the nature and scope of retailing. Topics studied include: history of retailing, managing retail operations including financial planning, merchandise buying and handling, store design and layout. 3 lecture hrs/wk. W

Aspect of small business critical to the entrepreneur. Topics include: the business plan, forms of business organization, franchising, location analysis, financing a small business, employer-employee relations, and the computer in the small business. 3 lecture hrs/wk. S

Tax Accounting I is the first of a two-term sequence and introduces federal income taxation of individuals. Students will study issues affecting preparation of the individual return leading to the completion of the 1040EZ, 1040A, 1040 (long form), and supporting schedules. In addition, Turbo Tax software will be used to prepare tax returns. Registration-Enforced Prerequisite: BA 213 with a grade of C or better or instructor permission. 3 lecture hrs/wk. W
BA 257: Tax Accounting II (3)
Tax Accounting II is a continuation of Tax Accounting I. This course continues coverage of federal income taxation of individuals and provides an introduction to tax laws affecting individuals involved with partnerships and corporations. Students will complete a variety of practical applications both manually and using computerized tax return preparation software. Registration-Enforced Prerequisite: BA 256 with a grade of C or better or instructor permission. 3 lecture hrs/wk. S

BA 280: Cooperative Work Experience: Business (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab. F, W, S, Su

BA 280A: Cooperative Work Experience: Accounting (1-13)

BA 280B: Cooperative Work Experience: Marketing (1-13)

BA 280C: Cooperative Work Experience: Management (1-13)

Biology

BI 101, 102, 103: General Biology (4,4,4)
A non-majors course designed to provide students with the scientific principles that describe and explain life processes and living systems. Laboratory experiences reinforce principles and concepts covered in class. BI 101: The biology sequence changed FA03. See an Adviser. BI 101: principles of evolution, natural selection and speciation, origin of life, diversity of life, classification and diversity of groups of organisms including viruses, bacteria, protists, fungi, plants and animals; principles of ecology, including populations, communities, ecosystems, and the biosphere, and animal behavior. F
BI 102: Plant structure and function, with emphasis on flowering plants; animal structure and function, with emphasis on human biology. W
BI 103: Chemistry of life; cell structure, function, metabolism, division; heredity and molecular genetics. S
Courses need not be taken in sequence. 3 lecture, 3 lab hrs/wk.

BI 110: Wildlife Biology on Safari (4)
An introductory non-majors course dealing with Oregon’s wildlife and wildlife management. This is a field-oriented course including trips to Wildlife Safari and other local wildlife areas. Oregon’s mammals, birds, reptiles, amphibians, fishes, and their anatomy, physiology, ecology, and taxonomy, as well as the animal husbandry practices carried out in zoological parks. Laboratory sessions will include manu skulls, specimens, animal tracks, and slide programs. 3 lecture, 3 lab hrs/wk. W

BI 211, 212, 213: Principles of Biology (5,5,5)
Designed for science and pre-professional medical majors. BI 211: Chemistry of life; origins of life; populations genetics and natural selection; diversity of prokaryotes and eukaryotes; ecology of biomes, communities and populations; conservation biology. Registration-Enforced Prerequisite/Corequisite: CH 221. F
BI 212: Cell structure and function; cellular metabolism; cell division; heredity; molecular genetics and biotechnology; molecular evolution. Registration-Enforced Prerequisite: BI 211. W
BI 213: Plant structure and function; animal structure, function and behavior. Registration-Enforced Prerequisite: BI 212. S
Courses must be taken in sequence. 4 lecture, 3 lab hrs/wk.

BI 222: Genetics (3)
Focusing primarily on human genetics, this course includes mitosis and meiosis; Mendelian inheritance and multifactorial trait expression; DNA replication, gene transcription, and translation; mutations and their consequences; population genetics and human evolution; the genetics of immunity and cancer; and biotechnology; gene therapy and reproductive technologies. Registration-Enforced Prerequisite: CH 104, CH 112, or CH 221; previous biology course recommended. 3 lecture hrs/wk. W, S

BI 231, 232, 233: Human Anatomy & Physiology (4,4,4)
Introduction to structure and function of the various systems of the human body.
BI 231: Organization of the body, homeostasis, cell biology, tissues, integument, the skeletal system, the muscular system. F, W
BI 232: Nervous system, special senses, endocrine system, blood and cardiovascular system. W, S
BI 233: Lymphatic system, immune system, respiratory system, digestive system, nutrition, metabolism, urinary system, reproductive systems, genetics. S, Su
Registration-Enforced Prerequisite: CH 104 or CH 112. Courses must be taken in sequence, or with consent of instructor. 3 lecture, 3 lab hrs/wk.

BI 234: Introductory Microbiology (4)
Structure, physiology, metabolism, genetics, growth and control of microbes; structure and function of viruses; the role of microorganisms in nature and disease. Laboratories emphasize differential staining, metabolism and identification of bacteria. Registration-Enforced Prerequisite: CH 104. CH 112 or CH 221; previous course in biology recommended. 3 lecture, 3 lab hrs/wk. F, W, S

BI 280: Cooperative Work Experience: Biology (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

Botany

BOT 203: General Field Botany (4)
This course provides an overview of plant systematics with emphasis on identification of southwestern Oregon native trees, shrubs and herbs. Additional topics will include discussions of local plant evolution, plant communities, fire ecology, and pollination ecology. Field trips are offered. 3 lecture, 3 lab hrs/wk. S

BOT 203A: Field Botany of Southern Oregon and Northern California (4)
This is a hybrid course taught partly online and partly during a six-day bus tour of Southern Oregon and Northwestern California. Resources for learning botanical terminology, plant evolution, diversity and classification, common plant family characteristics, and pollination ecology will be delivered online. The use of cameras, scanners and multimedia software for documenting plant collections will also be discussed. The bus tour will emphasize the use of botanical keys to identify native trees, shrubs, wildflowers, and other plants while touring through regional plant communities. The tour will leave from the UCC campus, and will likely include stops at Crater Lake Nat’l. Park, Klamath Lake, Lava Beds Nat’l. Mon., Tule Lake Nat’l. Wildlife Refuge, the Trinity River, Redwood Nat’l. Park, the Siskiyou Mts., Oregon Caves Nat’l. Mon., and other sites of botanical interest. Students should be reasonably fit and prepared to hike several miles over the course of the tour on easy to moderately difficult trails. A fee is required to cover transportation, food and camping on the bus. 6 lecture/6 lab hrs/wk. Su (offered as 3-week course)
CA - CULINARY ARTS

CA 160 Introduction to the Culinary Arts (3)
This course brings with a thorough study of the basic safety and sanitation standards in a food service operation. Then the student will be presented with the basic skills, principles, and techniques used in the preparation of foods in volume feeding situations, such as restaurants and institutional food service operations. Emphasis will be placed on the vocabulary of cooking, menu terms, food quality standards, proper equipment use, and application of basic math skills to recipe conversions. Methods of instruction will include lecture, demonstration, individual and group projects. 1 lecture/4 lab hrs/wk. F

CA 173 Fundamentals of the Professional Production Kitchen (1)
This is a lecture based class designed to introduce the student to the fundamentals of the production kitchen. The importance of food production to multiple food outlets will be discussed. Emphasis will be placed on understanding the nature of ingredients commonly found in the kitchen. Included is meat, poultry, seafood, vegetables, starches, dairy and egg products, fruits, herbs and spices. The student will then explore the functions of these ingredients to different applications including: soups, stocks, sauces, variety of salads, garnet manges, and entrees. Registration-Enforced Prerequisite: CA 160. 1 lecture/hr/wk. F, W, S

CA 174: The Professional Production Kitchen (8)
This is a production driven course designed to create authentic working conditions of a food service operation. It covers multiple food preparation techniques for an a la carte restaurant, a catering operation, and cafeteria service. The student learns the procedures for scratch cookery through small batch assignments prepared for daily restaurant menu and catering menus: including soups, stocks, sauces, protein cookery, starch cookery. Emphasis will be placed on proper ordering, receiving, identification and handling of: seasonal fruits and vegetables, legumes, common starches, various types of meat and poultry and their fabricated cuts, various fish and shellfish, cheeses, dairy products, salad greens, fresh and dried herbs, spices, variety of grains, oils and vinegars. Registration-Enforced Prerequisite: CA 160. 16 lecture/lab hrs/wk. F, W, S

CA 176: Fundamentals of Menu Planning (2)
Fundamentals of Menu Planning offers a complete overview of menu planning, including designing, writing, costing, marketing, and merchandising a menu. This course reflects the latest trends in the restaurant industry along with updated nutrition information. Emphasis will be placed on understanding the need for standardized recipes, product costs, pricing, menu design and product placement, inventory, and control of production in order to minimize product loss. 2 lecture hrs/wk. W, S

CA 185: A La Carte Kitchen and Dining Room (8)
This is a production driven course designed to create authentic working conditions of a food service operation. It offers students learning experiences involving food preparation skill development, food theory, management and personnel responsibilities, and a progressive attitude toward food preparation and service. Emphasis will be placed on the management of a food service operation including ordering, inventory control, staffing, product requisition, safety and sanitation procedures and inspections. Students will identify various regional American and international cuisines and be able to effectively serve them in a buffet and a a la carte setting. Registration-Enforced Prerequisite: CA 160. 16 lecture/lab hrs/wk. F, W, S

CA 186: Fundamentals of the A La Carte Kitchen and Dining Room (1)
This is a lecture based class designed to introduce the student to the fundamentals of a la carte service. The dynamics of front and back of the house operations will be explored. Emphasis will be placed on understanding the customer and methods for delivering quality customer service. The student will explore different styles of dining room service including beverage service and beverage management. Registration-Enforced Prerequisite: CA 160. 1 lecture/hr/wk. F, W, S

CA 191: The Professional Pastry and Bake Shop (8)
This is a production driven course designed to create authentic working conditions of a bakery operation. Emphasis is placed on understanding the basic principles of baking and the necessary tools and equipment for the practice and development of techniques and skills expected of the working chef in the industry. Under the direction of the instructor, students will produce different types of yeast doughs, quick breads, leavened cakes, pies, tarts, cookies, various pastry doughs, meringues, syrups, sauces, assorted custards, mousses, soufflés, and frozen desserts. This course will also cover the fundamentals of chocolate, dessert presentation and decorative work including marzipan, pastillage, and sugar work. The emphasis is on baking science, terminology, nutrition, equipment, techniques, ingredients, weights and measures, formula conversions, sanitation, safety, and storage of baked goods. Registration-Enforced Prerequisite: CA 160. 16 lecture/lab hrs/wk. F, W, S

CA 192: Fundamentals of the Professional Pastry and Bake Shop (2)
This is a lecture based course designed to introduce the student to the fundamentals of the bake shop exploring baking science, terminology, nutrition, equipment, techniques, ingredients, weights and measures, formula conversion, and storage of baked goods. The importance of proper mise en place to the bake shop will be discussed. Emphasis will be placed on understanding the principals of the bake shop including identifying common equipment and ingredients and their proper uses. A variety of different products will be explored including quick breads, yeast doughs, pies, tarts, pastries, cookies, custards, creams, and various frozen desserts. The student will also explore the fundamentals of chocolate, dessert presentation and decorative work including marzipan, pastillage and sugar work. Registration-Enforced Prerequisite: CA 160 1 lecture/hr/wk. F, W, S

CA 204: Winter Capstone: Restaurant Operation (2)
This course is designed to give the student firsthand experience of operating a restaurant. The student will learn the dynamics of working in a group in order to successfully plan, advertise and execute two weeks of menus to be served in a restaurant setting. Emphasis will be placed on menu and recipe writing, product ordering and receiving, operating within a budget including the management of food costs and portion controls, scheduling, and effective dining room service. Registration-Enforced Prerequisite: CA 160 4 lecture/lab hrs/wk. W

CA 205: Spring Capstone: Catering Operation (2)
This course is designed to give the student firsthand experience of a catering operation. The student will learn the dynamics of working in a group in order to successfully plan, advertise and execute a series of prix fixe dinners. Emphasis will be placed on menu and recipe writing, product ordering and receiving, operating within a budget including the management of food costs and portion controls, scheduling, and effective dining room service. Registration-Enforced Prerequisite: CA 160 4 lecture/lab hrs/wk. S

CA 280: Cooperative Work Experience: Culinary Arts Internship (1-13)
Qualified students work as interns in variety of training sites that provide experience related to the food service industry. These sites include hospitals, restaurants, casino resorts, motels, assisted-care facilities, and cruise ships. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.
CH - CHEMISTRY

CH 104, 105, 106: Introductory Chemistry (4,4,4)
Introductory Chemistry Sequence. Serves as preparation for CH 221-223 for those lacking high-school chemistry or preparation beyond MTH 095. Sequence required for some bachelor's degrees granted at other institutions (i.e. Dental Hygiene at O.I.T) Some AAS degree programs require only CH 104-see specific programs for details. Students must be proficient in elementary algebra.

CH 104: measurement and dimensional analysis, properties of matter, elements and compounds, nomenclature, periodic table and trends, chemical equations, stoichiometry, atomic structure. Registration-Enforced Prerequisite: MTH 065 or higher. F
CH 105: bonding, gas laws, liquids, solutions, acid, bases, ionization, neutralization, chemical equilibrium, nuclear chemistry, oxidation-reduction. Registration-Enforced Prerequisite: CH 104. W
CH 106: organic and biochemistry. Registration-Enforced Prerequisite: CH 105. S
Courses must be taken in sequence. 3 lecture, 3 lab hrs/wk.

CH 112: Chemistry for Health Occupations (5)
A one-term introductory course in inorganic, organic, and biochemistry that is specifically designed for preparing students taking Human Anatomy and Physiology and entering Nursing, Emergency Medical Services, and other health occupations programs. Registration-Enforced Prerequisite: MTH 065 or higher or math placement test score. 4 lecture, 3 lab hrs/wk. F, W, S, Su

CH 221, 222, 223: General Chemistry (5,5,5)
Sequence designed for science and pre-medical majors and engineering majors.

CH 221: Topics include atomic structure, stoichiometry, thermodynamics, periodic trends, bonding, molecular structure. Registration-Enforced Corequisite: MTH 111 or higher and Registration-Enforced Prerequisite: CH 104, CH 112, GS 105, or instructor approval. F

CH 222: States of matter, solution chemistry, kinetics, and equilibrium. Registration-Enforced Prerequisite: CH 221. W

CH 223: Electrochemistry, nuclear chemistry, coordination chemistry, descriptive inorganic, introduction to organic chemistry. Registration-Enforced Prerequisite: CH 222. S
Courses must be taken in sequence, or with consent of instructor. 3 lecture, 1 recitation hrs, 3 lab hrs/wk.

CH 241, 242, 243: Organic Chemistry (4,4,4)
Sequence designed for science and pre-professional medical majors.

CH 241: molecular structure and bonding, functional groups, acids-bases, alkanes, stereochemistry, substitution and elimination reactions, alkenes and alkynes. Registration-Enforced Prerequisite: CH 223. F

CH 242: addition reactions, free-radicals, alcohols and ethers, conjugated systems, spectroscopy, aromatics. Registration-Enforced Prerequisite: CH 241. W

CH 243: aldehydes and ketones, carboxylic acids and derivatives, amines, phenols, macromolecules. Registration-Enforced Prerequisite: CH 242. S
Courses must be taken in sequence, or with consent of instructor. 3 lecture, 3 lab hrs/wk.

CH 280: Cooperative Work Experience: Chemistry (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

CIS - COMPUTER INFORMATION SYSTEMS

CIS 090: Computer Skills -- Word Processing (1)
This class is for students who want to become acquainted with the computer and word processing. It emphasizes how to use the computer to practice each step in the process of writing a college paper. 2 week course, 5 lecture hrs/wk. F, W, S

CIS 092: Computer Skills - File Management (1)
This course is designed to teach students file management basics. Information about disks, directory structures, folders and file organization will be covered. Students will be introduced to the UCC network structure and how to use various storage devices such as CD/DVD drives, and USB drives. 2 week course, 5 lecture hrs/wk. F, W, S

CIS 094: Computer Skills - Windows (1)
Introduction to the Windows Operating System for a beginner computer user. Includes computer concepts, system components, using help, menus and dialog boxes, as well as using the mouse and keyboard. Basic operating system functions such as using a Graphical User Interface and simple problem troubleshooting will also be covered. 2 week course, 5 lecture hrs/wk. F, W, S

CIS 096: Computer Skills - Internet (1)
Broad introduction to the global network known as the Internet. Emphasizes browsing the World Wide Web and using a variety of client programs including email usage. Describe methods used to protect a computer from Internet viruses and other malicious software. 2 week course, 5 lecture hrs/wk. F, W, S

CIS 099: Computer Skills - Online Research (1)
The course is designed to teach students basic methods of conducting online research using Internet search engines, online library catalogs, and subscription databases. Students will learn how to determine the best places to look for information and to design effective searches to produce useful search results. Prerequisite: CIS 096; 2 week course, 5 lecture hrs/wk. F, W, S

CIS 111: Computer Configuration (4)
(This course is currently not being offered.) This is an introduction to micro-computer hardware. The course is designed to supplement the Computer Information Systems training to the extent that the student can install, configure, troubleshoot and do simple repairs of computing hardware systems. Students will be exposed to the tools and equipment used in a hardware oriented laboratory environment. Prerequisite: CIS 120 or instructor approval. 3 lecture, 3 lecture/lab hrs/wk.

CIS 120: Introduction to Computer Information Systems (4)
This course is designed as an introductory computer course for students in all fields. Course content includes an overview and history of the field, basic computer architecture, auxiliary storage and file organization, data communications, with "hands-on" work using modern business application software packages on the microcomputer including word processing, spreadsheets, database, graphics, and communications as tools used in data processing. CIS majors are urged to enroll in CIS 122 in the Fall, concurrent with this course. 4 lecture hrs/wk. F, W, S, SU

CIS 122: Introduction to Programming (4)
An introduction to problem solving and programming. Students will be introduced to an integrated Development Environment, tools and techniques of problem solving and the basic elements of well-structured programming. Visual Basic or another modern programming language will be introduced. CIS 120 should be taken prior to or concurrent with this course. Registration Enforced Prerequisite: MTH 095 or equivalent; placement into WR 121 or higher. 3 lecture, 2 lecture/lab hrs/wk. F
CIS 125A: Microcomputer Application for Auto Technicians (3)

This course is an introduction to microcomputers and microcomputer applications focused on the needs of the Automotive Technology student. Course work will include an overview of the use of computers in parts inventory, management and customer service applications. It will look at using the microcomputer as a word processor to assist in creating professional documents in support of a small business. The course will also look at using spreadsheets as basic business management tools and as computation tools for automotive applications. A final module will cover the use of the microcomputer as a basic communications tool to access industry supported bulletin boards and databases. Prerequisite: Automotive major. 2 lecture, 2 lecture/lab hrs/wk.

CIS 125D: Microcomputer Applications – Database (3)

This course will serve as an introduction to development and use of a modern database application. Course work will focus on proper design fundamentals used for database creation. Emphasis will be on using available DBMS tools for data entry forms and report generation. Prerequisite: Keyboarding skills or instructor approval. 2 lecture, 2 lecture/lab hrs/wk. S

CIS 125E: Microcomputer Applications – Email (2)

This course continues as a continuing introduction to microcomputers and their applications in business. The course is lab oriented and will focus on learning the functions of a modern email program. In addition, this course will go beyond the basics, covering concepts such as advanced message options, calendar and contact management, data files, and basic client security. Instructor-Enforced Prerequisite: Keyboarding skills or instructor approval. 1 lecture, 2 lecture/lab hrs/wk. F, S

CIS 125H: Writing Web Pages (2)

This course will be an introduction to the HTML language. Students will learn to write Web home pages. Topics will include: HTML commands, hyperlinks, use of graphics, and a basic introduction to JavaScript. Prerequisite: Experience with Windows. 1 lecture, 2 lecture/lab hrs/wk. F, S

CIS 125R: Microcomputer Applications – Presentation Software (2)

This course will serve as an introduction to presentation software. It is lab-oriented and will focus on using a modern presentation software application to create, modify, customize, and preview slide show presentations. Students will manage documents, work with text, visual elements, and program features that enhance slide shows. Import and export of files from Microsoft Word and Excel, and the use of sound or video clips are explored. Create hyperlinks to other slides, presentations, applications, or the Internet. Design principles are applied to create professional-looking presentations. 1 lecture, 2 lecture/lab hrs/wk. F

CIS 125S: Office Applications – Spreadsheets (3)

A continuation of topics covered in CIS 120. This course is lab oriented and will focus on the functions of a modern spreadsheet program. In addition, business graphics and data management features of an integrated suite will be covered. Registration-Enforced Prerequisite: CIS 120 or instructor approval. 2 lecture, 2 lecture/lab hrs/wk. W

CIS 125W: Microcomputer Applications

This course will serve as an introduction to microcomputers and their applications in business. The course is lab-oriented and will focus on using a modern word processor. Terminology and concepts regarding microcomputers and their peripherals will also be covered. Emphasis is placed on developing confidence in use of computer hardware and software. Prerequisite: Keyboarding skills or instructor approval. 2 lecture, 2 lecture/lab hrs/wk. S

CIS 133VB: Introduction to Programming in Visual Basic (5)

A continuation of CIS 122. Students will learn and apply programming concepts using a high level programming language. This course will emphasize all phases of program development for the business environment including program design, development, documentation, test, implementation and maintenance. Particular attention will be directed toward the use of structured programming techniques. The course will provide an introduction to writing programs to handle data files and interactive applications. Object orientation and design concepts will be introduced in this course. Registration-Enforced Prerequisite: CIS 122, or instructor approval. 3 lecture, 4 lecture/lab hrs/wk. W

CIS 135: Applications Development for Computers (3)

Students will learn to use a mainstream suite of applications. Applications will include, but not be limited to, word processing, database (DBMS), spreadsheet, and graphic presentations. The suite will be used to develop a representative business situation where the ultimate goal is integration of the various applications for correspondence, financial records, inventory management, and company presentations. Focus will be on determining, projecting, and meeting business needs within the confines of the application suite. Top down programming methods will be applied to the business situation and needs assessment as the primary method used to understand the business and its goals. Prerequisite: CIS 120 or instructor approval. 2 lecture, 2 lecture/lab hrs/wk.

CIS 140L: Introduction to Linux Operating Systems (4)

A hands-on study of operating systems preparing students for an industry-based certification such as Comp TIA’s Linux+ examination. The course includes the installation and administration of a desktop operating system as well as management, troubleshooting, and optimizing techniques. Registration-Enforced Prerequisite: CIS 120 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk.

CIS 140M: Introduction to Operating Systems (4)

A hands-on study of operating systems which prepares students for an industry-based certification such as the Microsoft MCP examination. The course includes the installation and administration of a desktop operating system as well as management, troubleshooting, and optimizing techniques. Registration-Enforced Prerequisite: CIS 120 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk.

CIS 140W: Introduction to Windows (2)

An introduction to the Windows operating system, the class will focus on working with windows, menus, dialog boxes, properties, shortcuts, Windows Explorer, Windows accessory applications and other Windows topics. 1 lecture, 2 lecture/lab hrs/wk. S

CIS 151C: Networking Essentials (4)

This course is designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer networking field. Instruction includes, but is not limited to, networking, network terminology and protocols, network standards, local-area networks (LANs), wide-area networks (WANS), Open System Interconnection (OSI) models, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing, and network standards. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, communication, and social studies concepts to solve networking problems. In addition, instruction and training are provided in the proper care, maintenance, and use of networking software, tools and equipment and all local, state, and federal safety, building, and environmental codes and regulations. This is the first of a four-course sequence that prepares students for an industry certification such as the CCNA (Cisco Certified Network Administrator). Registration-Enforced Prerequisite: CIS 120 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. S
CIS 152C: Introduction to Basic Routers (4)
The second term course continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. Instruction includes, but is not limited to, a review of the Open System Interconnection (OSI) Reference Model, local area networks (LANs), wide area networks (WANs), transmission control protocol/Internet protocol (TCP/IP), addressing, routers, router configuration, routing and routing protocols, internetwork open system (IOS) images and network troubleshooting. Particular emphasis is given to understanding the nature of and component of networks that make up LANs, WANs and the Internet. Students will become familiar with the use of command protocols that are used when configuring networks and will learn how to troubleshoot a 3-router topology. Registration-Enforced Prerequisite: CIS 151C or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. F

CIS 153C: Intermediate Routing & Switching (4)
The third term continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. Instruction, includes, but is not limited to, a review of the Open System Interconnection (OSI) Reference Model, a study of the OSI layer functions, local area network (LAN) switching, Ethernet and virtual LANs (VLANs), LAN design, interior gateway routing protocol (IGRP), access control lists (ACLs), and network management. In addition, the student will learn appropriate methodologies for managing networks, with emphasis placed on clear and adequate documentation of the Network. Registration-Enforced Prerequisite: CIS 152C or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. W

CIS 154C: Wide Area Network Protocols (4)
The fourth term continues to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment or further education and training in the computer-networking field. Instruction, includes, but is not limited to, a review of local area network (LAN) switching, virtual LANs, LAN design, routing protocols, access lists, wide area networks (WANs), the open system interconnection (OSI) reference model, networking, point-to-point protocols (PPPs), dial-on-demand routing (DDR), frame relays and network management. Registration-Enforced Prerequisite: CIS 153C or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. S

CIS 195: Authoring for the World Wide Web (4)
Techniques and tools for designing and publishing on the World Wide Web; hypertext and HTML; site and page design; media integration; issues raised by Internet publishing. Prerequisite: CIS 120 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. F

CIS 240M: MS Windows Server Administration (4)
This course is designed to provide students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server environment. This course provides the skills and knowledge to prepare for a Microsoft Certified Professional Exam. Registration-Enforced prerequisites: CIS 120 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. S

CIS 244: Systems Analysis and Design (4)
This course is designed to provide the CIS student with a basic understanding of the importance of the Systems Analysis function in today’s computer-focused businesses and institutions. It will enable students to better appreciate the importance of the role of the Systems Analyst, the Programmer, the User and the Manager in the development and implementation of modern, computer-based, information systems. The students will participate in a series of activities including group discussions, case studies, interviews, research reports, role playing and structured walk-throughs. Throughout the course, emphasis will be placed on human interaction situations with particular focus on teaming. A secondary goal of this course will be to introduce students to many of the styles and structures of technical documentation that they will be expected to use in their subsequent employment. These documentation techniques will be taught in the context of the systems analysis project. Prerequisite: Second year CIS major or instructor approval. 4 lecture hrs/wk. S

CIS 245: Project Management (4)
Project Management - Information Systems Study practical approaches for managing, planning, organizing and implementing Information Systems projects using modern management techniques. Complete hands-on projects requiring management of project resources, scope, time-line, cost, scheduling, human and other resources. Use Microsoft Project and other project monitoring tools. Registration-Enforced Prerequisite: CIS 122 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. W

CIS 275: Introduction to Database Management Systems (4)
Students will be introduced to database management systems (DBMS) Microsoft Access. Topics include database theory and practice, table creation, database normalization and structured query language (SQL). Students will use the tools of the DBMS to develop applications that include input screens, queries, reports and batch processes to automate a typical business computer application. Students will begin to learn and modify computer-generated programs to customize an application. Registration-Enforced Prerequisite: CIS 133VB or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. S

CIS 276: Intermediate Database Management (4)
A continuation of the concepts and software expertise developed in CIS 275. Students will cover advanced SQL techniques and program on an enterprise level database. Registration-Enforced Prerequisite: CIS 275. 3 lecture, 2 lecture/lab hrs/wk. F

CIS 279M: Network Management (4)
This course is designed to provide students with the knowledge and skills to implement, manage, and maintain a Microsoft Windows Server network infrastructure. The course is intended for systems administrator and systems engineer candidates who are responsible for implementing, managing, and maintaining server networking technologies. These tasks include implementing routing; implementing, managing, and maintaining Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and Windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol Security (IPSec) and certificates; implementing a network access infrastructure by configuring the connections for remote access clients; and managing and monitoring network access. This course provides the skills and knowledge to prepare for a Microsoft Certified Professional Exam. Registration-Enforced Prerequisite: CIS 240M or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. W

CIS 280: Cooperative Work Experience: Computer Information Systems (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CVE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab. F, W, S, Su

CIS 280D: Cooperative Work Experience: Health Informatics (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CVE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab. F, W, S, Su

CIS 284: Network Security Fundamentals (4)
This course is designed to provide students with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment. Registration-Enforced Prerequisite: CIS 240M or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. S
CIS 295: Authoring for the World Wide Web II (4)
Designing, developing, publishing, and maintaining dynamic websites;
Web security and privacy issues; e-commerce; emerging Web technologies.
Prerequisite: CIS 195 and CIS 275 or instructor approval. 3 lecture, 2 lecture/lab hrs/wk. W

CIS 297: Capstone Project (4)
(This course is currently not being offered.) Student will develop an individual “real-world” project to demonstrate the ability to apply the concepts covered in the Computer Information Systems (CIS) curriculum. Guidance from an instructor and faculty adviser will be utilized. Emphasis will be placed on working effectively with clients, professional work habits, and documentation. Registration-Enforced Prerequisite: Instructor approval; 1 lecture, 9 lab hrs/wk

CIV - CIVIL ENGINEERING

CIV 215: Contract Documents (3)
Legal terminology, legal matters of concern to engineers, and civil law with emphasis on civil engineering contract documents and legal subcontractors, and material suppliers. Prerequisite: Second year Engineering Technology major or instructor approval. Registration-Enforced Prerequisite: ENGR 111. 3 lecture hrs/wk. F

CIV 223: Properties of Materials (4)
This course covers the properties of soil and concrete as used in the field of civil engineering. Laboratory techniques are developed for testing and classifying soil and aggregate. Concrete mix designs are developed and evaluated based on laboratory tests. Registration-Enforced Prerequisite: ENGR 111. 3 lecture, 3 lab hrs/wk. W

CIV 280: Cooperative Work Experience: Engineering (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

CIV 297: Continuing Professional Development for Professional Land Surveyors and Engineers. (1-3)
This course will cover a variety of topics to meet the needs of Professional Land Surveyors and Engineers. The course content and material will be structured to meet the requirements of the Oregon State Board of Examiners for Engineers and Land Surveyors as defined in OAR 820. The primary venue for this course will be Internet. Prerequisite: Licensure by the Oregon State Board of Examiners for Engineers and Land Surveyors or Instructor approval. Credit will be assigned for each individual at the rate of one credit hour per ten hours of lecture.

CJ - CRIMINAL JUSTICE

CJ 100A: Law Enforcement Skills Training (2)
A variety of topics including: First Aid & CPR, Tactical Communication, Special Event Ops, Radio Communications, Search & Handcuffing, Confrontational Simulation, Chemical Agents. Corequisite: CJ 105 and CJ 110. Prerequisite: Acceptance into Police Reserve Academy. 4 lecture/lab hrs/wk. F

CJ 100B: Law Enforcement Skills Training (2)
A variety of topics including: Emergency Vehicle Ops, Control Holds, Expandable Baton, Traffic Control, Crowd Control, Tactics & Strategies in Buildings and Open/Wooded Areas. Corequisite: CJ 120 and CJ 212. Prerequisite: Acceptance into Police Reserve Academy. 4 lecture/lab hrs/wk. W

CJ 100C: Law Enforcement Skills Training (2)
A variety of topics including: Vehicle Stops, Defensive Tactics, Bicycle Patrol, Firearms. Corequisite: CJ 109 and CJ 112. Prerequisite: Acceptance into Police Reserve Academy. 4 lecture/lab hrs/wk. S

CJ 101: Introduction to Criminology (3)
This course is designed as an introduction to the study of crime and criminal behavior. One segment covers concepts of crime and criminalology, the nature and extent of crime, and victims and victimization. A second segment covers theories of crime causation, including choice and trait theories, social structure, social process, and social conflict theories, and developmental theories. A third segment covers crime typologies, including violent crimes, property crimes, enterprise crimes (white-collar, organized, and cyber crimes), and public order crimes. The final segment looks at the criminal justice system, including various functions of the system as well as different models applied to the field. 3 lecture hrs/wk. S Available online F

CJ 105: Concepts of Criminal Law (3)
This class is designed to introduce students to the basic concepts underlying criminal law. Topics covered will include the origins of criminal law, the basic requirements of a criminal act, the limitations of criminal liability, types and classifications of criminal law, and procedural defenses. Additional topics covered include constitutional limits on law, inchoate crime, and criminal culpability levels. 3 lecture hrs/wk. F Available online Su

CJ 109: Contemporary Issues in Criminal Justice (3)
This course provides an intermediate look at modern police practices, operations, and issues. The Criminal Justice student and prospective law enforcement employee will develop a view of police work from both theoretical and practical perspectives. This course will cover contemporary issues in police operations that include policing philosophies, police organization, police management and supervision, crime control, and patrol efficiency. 3 lecture hrs/wk. S

CJ 110: Introduction to Law Enforcement (3)
A study of law enforcement that emphasizes police work at the community level. Students will review the history and evolution of law enforcement, the criminal justice system and the future of law enforcement. Particular areas of study include criminal law, responsibilities of law enforcement, community relations, accountability and corruption, values and judgement and careers in law enforcement. 3 lecture hrs/wk. F

CJ 112: Field Operations and Patrol Procedures (3)
To introduce the student to the nature and purpose of patrol activities for the law enforcement officer. Includes tactics and strategies, routine and emergency procedures, types of patrols, crime prevention, and community policing. Prerequisite: Acceptance into Police Reserve Academy. 3 lecture hrs/wk. S

CJ 114: Cultural Diversity Issues in Criminal Justice (3)
This course looks at the relationship between the criminal justice system, cultural and other diversity, and police/community dynamics. Focusing on positive police/citizen contacts, the principle emphasis will be on the importance of a continuing dialogue between law enforcement and all segments of the community. Students will acquire an understanding of cultural norms and their impact on criminal justice interactions. Other relevant issues such as hate crimes and racial profiling will be covered. 3 lecture hrs/wk. W

CJ 120: Introduction to Judicial Process (3)
This course presents an examination of the responsibilities of each segment of the justice system. These segments include law enforcement, the judicial process and the courts, duties and responsibilities of corrections agencies, and the functions of related administrative agencies at the local, state, and federal levels. Past, present, and future relationships of these systems will be analyzed. 3 lecture hrs/wk. W
**CJ 130: Introduction to Corrections (3)**
This course provides an overview of the American corrections system including its history, processes, purposes and goals. Course study will introduce the student to institutional and penal systems that include detention facilities, jails, prisons, and work release facilities. This course provides both a practical and theoretical perspective of the need and purpose for offender confinement and post-conviction jurisdiction within a free society. Supervision and management of confined and released offenders, juvenile and adult, will be reviewed. 3 lecture hrs/wk. 5

**CJ 140: Introduction to Criminalistics (Forensic Science) (3)**
This is an introductory course in forensic science. Forensic science or criminalistics applies the knowledge and technology of science for the definition and enforcement of laws, and to the solution of criminal offenses. Course study will include development of the principles and techniques used to compare and identify physical evidence collected at crime scenes. The course will explore services performed by evidence collection teams as well as activities of forensic scientists in the crime labs. 3 lecture hrs/wk. W

**CJ 169: Terrorism and Homeland Security (3)**
This course examines the basic history, evolution and effects of terrorism on both domestic and international levels. Through historical and objective analysis the course is intended to provide a basic foundation for the root cause of terrorism and how terrorism is confronted by political, diplomatic, law enforcement and military intervention. This course provides a basic understanding of the various threats from terrorism, and the ability of terrorists to advance a political agenda, raise funds, and use the media to promote their vision ideology. 3 lecture hrs/wk. W, Su

**CJ 203: Crisis Intervention Seminar (1)**
An overview of the techniques and approaches to crisis intervention for entry-level criminal justice professionals. Covers initial intervention, defusing and assessment, resolution and/or referral, with emphasis on safety. Includes personal effectiveness, recognition of threat levels, voluntary compliance, verbal and non-verbal communication, active listening, and mediation. 1 lecture hr/wk. W (W for Police Reserve Academy only)

**CJ 210: Criminal Investigations (3)**
This course concentrates on the fundamentals of criminal investigation. The responsibilities of the preliminary crime scene investigator will be thoroughly studied. Areas of specific review will include: crime scene management; the collection, preservation, and recordation of recovered evidence; interview techniques; surveillance operations; follow-up investigations; report writing; and court procedures. 3 lecture hrs/wk. S

**CJ 212: Report Writing for Criminal Justice (3)**
The fundamentals of writing law enforcement reports including definitions, type, needs, and objectives. Emphasis will be on preliminary crime reports, arrest reports, evidence reports, and administrative reports. Students will obtain the necessary knowledge to investigate, interview, and distill general information into documented facts. Prerequisite: Acceptance into Police Reserve Academy. 3 lecture hrs/wk. W

**CJ 216: Law Enforcement Supervision & Management (3)**
This course provides an in-depth examination of the role and responsibilities of the first-level supervisor and manager/command officer in the specialized field of law enforcement. Principles of effective leadership, team-building and specific operational issues related to law enforcement are also addressed. 3 lecture hrs/wk. F

**CJ 226: Introduction to Constitutional Law (3)**
This course provides an examination of the role of the U.S. Constitution in the development of criminal law and procedures. Emphasis is placed on relevant historic and political factors that have influenced constitutional criminal procedures, and the practical effect that case law has on the methods and extent to which the criminal justice community performs its duties. Course available through Credit for Professional Certification (CPC) only.

**CJ 230: Introduction to Juvenile Justice System (3)**
This course provides an introductory perspective of the historical and contemporary aspects of juvenile corrections. Topics covered include the components of the juvenile justice system and its philosophy, functions and goals, the role of law enforcement, the courts, community based corrections, and custodial facilities. Included is an overview of the ongoing debate over the Balanced and Restorative Justice approach in the juvenile justice system, especially as it relates to safety/security issues and public concern. 3 lecture hrs/wk. S

**CJ 232: Introduction to Corrections Casework (3)**
Introductory overview of casework in corrections settings. Includes introduction to behavior modification theories and methods, contemporary counseling methods, assessment processes, and the development of officer/client relations. Emphasizes observation skills, perception issues, information gathering, interpersonal communication skills, and interviewing strategies and techniques as part of corrections casework. Registration-Enforced prerequisite: CJ 230 or CJ 261 or instructor approval. 3 lecture hrs/wk. Su

**CJ 240: Criminalistics II (3)**
This is a course in forensic science and criminalistics. Forensic science applies the principles and technology of various scientific disciplines to the definition and enforcement of laws and to the solution of criminal offenses. Criminalistics is the collection of disciplines of forensic science commonly practiced in the modern crime lab and in laboratory services applied at crime scenes. This course will build upon basic principles of evidence processing and analysis covered in earlier coursework and integrate them with more advanced and individualizing techniques in forensic science. These include bloodstain pattern analysis, forensic toxicology, trace evidence processing and analysis, DNA, arson investigations and computer forensics. Registration-Enforced Prerequisite: CJ 140, 3 lecture hrs/wk. S

**CJ 243: Narcotics and Dangerous Drugs (3)**
This course covers the full range of psychoactive drug use, from legal medicinal use to criminal recreational use, from casual use to addiction. Emphasis is on the sociological perspective, explaining the drug phenomenon supported by recent data from a wide range of sources. 3 lecture hrs/wk. F

**CJ 261: Introduction to Parole & Probation (3)**
This course provides introductory perspectives of parole, probation, and community corrections. The course investigates the purposes of parole and probation as alternatives to incarceration of criminal offenders. Issues related to sentencing recommendations, terms and conditions of probation, day treatment options, group homes, and criteria for violating status are examined. 3 lecture hrs/wk. F

**CJ 275: Comparative Criminal Justice Systems (3)**
Using a topical approach, this course compares the criminal justice systems in other nations with that in the United States. Underlying sources of law will be covered as well as practices and policies used by different nations in their criminal justice systems. This course will give students a better understanding of the similarities and differences of each system. 3 lecture hrs/wk. F

**CJ 280: Cooperative Work Experience: Criminal Justice * (1-13)**
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.
CJ 280: Cooperative Work Experience: Law Enforcement/Corrections  
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

* Students may select - either CJ 280 Cooperative Work Experience: CJ 298 Criminal Justice Independent Study.

CPL - CREDIT FOR PRIOR LEARNING

CPL 120: Credit for Prior Learning Resume (3)
The Credit for Prior Learning Resume class provides a means to obtain credit hours for prior learning. It focuses on identifying career and educational goals, defining college-level learning; identifying, documenting, and describing prior learning; writing competency statements; and preparing a resume for credit evaluation. 3 lecture hr/wk. W

CS - COMPUTER SCIENCE

CS 133U: Programming for Engineers (3)
An introduction to problem analysis and programming in either C++ or Java. This course is intended as an introduction to programming for those with little or no previous experience. The course is designed for engineering majors and emphasis will be on programming engineering and mathematics problems. Prerequisite: MTH 095. 2 lecture, 2 lecture/lab hrs/wk.

CS 161: Computer Science I (4)
This is an introduction course to computer science. Topics covered are: Algorithms, programming concepts, programming in a structured language, and computer applications. The C++ or the Java language will be introduced. Prerequisite: MTH 111 or equivalent. 3 lecture, 2 lecture/lab hrs/wk. F, W, S Online

CS 162: Computer Science II (4)
This course is a continuation of CS 161 and introduces the student to the use of a variety of data structures. Topics include: string operations, records, stacks, queues, trees, recursion, sorting, linked lists, searching data structures. Programs will be written either in C++ or Java. Prerequisite: CS 161. 3 lecture, 2 lecture/lab hrs/wk. F, W, S Online

CST - CONSTRUCTION TECHNOLOGY

CST 101: Introduction to the Construction Trades (2)
This course provides an introduction to career opportunities in the construction trades and teaches the basic employability and communication skills necessary for success in the field. General topics include: the many specialties within the construction and related industries, basic safety, trade vocabulary, construction math, commonly used hand and power tools, basic blueprint terms and components, and workplace employability skills. Students will learn about trends in local employment and further training available in the Construction Technology career pathway. 1 lecture, 2 lecture/lab hrs/wk.

CST 110: Blueprint Reading (3)
The course covers the basic language of prints their purpose and make-up. 6 lecture/lab hrs/wk. F

CST 111: Construction Orientation (2)
The Construction Orientation course is an introduction to the construction industry. Social, economic, and environmental influences affecting the construction field will be discussed in this class. In addition, material will be presented about vocational, technical, and professional opportunities open to construction graduates. 2 lecture hrs/wk. F

CST 112: CAD for Construction (3)
This is a beginning-level course which introduces computer-aided drafting (CAD). The AutoCAD program is used to set up drawings and perform basic drawing and editing commands. Emphasis is on two-dimensional drawings and architectural aspects of computer drafting in relation to residential construction and the relationship between various building components comprised within. 2 lecture, 2 lecture/lab hrs/wk. S

CST 116: Construction Estimating (4)
This course provides opportunities for advanced, in-depth study of techniques used in estimating construction material, labor, and costs for residential and commercial structures. Students evaluate estimating methodology used by contractors, material suppliers, and consultants and learn to apply appropriate techniques to actual estimating projects. 4 lecture hrs/wk. F

CST 118A, 118B, 118C:
Building Construction I, II, III (7)
This course provides principles, techniques, and project work for students interested in the knowledge and skills required to plan, design, construct, and remodel building structures. The instruction deals with a variety of elements and topics related to the materials, and methods used in the construction of buildings to include planning the undeveloped site, foundation work, framing, and interior and exterior finishing. Energy efficient concepts are included in the project. This course through the project, provides an orientation to electrical, mechanical, and plumbing systems. In general, these systems are sub-contracted to area building contractors. With department approval, this class is repeatable for credit. 2 lecture, 10 lecture/lab hrs/wk. F, W, S

CST 119: Building Construction Surveying (1)
A beginning course in surveying concepts and techniques with application to building construction. It covers fundamental surveying methods and the use and care of surveying equipment as related to surveying tasks involved in building construction. Emphasis is placed on field practice. 2 lecture/lab hrs/wk. S

CST 122: Construction Codes I (2)
This will be a practical approach to understanding the Oregon Residential Speciality Code. This course will cover the legal and administrative aspects of the current code as prescribed in Chapter 1 and applicable Oregon Revised Statutes. Students will understand the typical functions of a jurisdiction, how interpretations are made, and the building permit process. Emphasis is placed on understanding the basis of Code requirements, thus understanding the principle involved for a particular Code section. The main focus of Chapters 2 through 17 will be to integrate the various elements pertaining to building planning and construction. The Plumbing and Electrical aspects of this code will not be addressed except as they apply to building planning. Multi-family and row house construction will not be addressed in this class. This class requires a high volume of technical reading. 2 lecture hrs/wk. W

CST 123: Construction Codes II (2)
This will be a practical approach to understanding the Oregon Residential Speciality Code pertaining to light frame wood construction. The main focus will be an in-depth understanding of Brace Wall requirements as presented in chapters 3, 4 & 6 for various seismic and wind loads. Students will be instructed in reading and understanding truss specifications and connections. Special requirements for the use of Engineered Wood Products and manufactured connectors will also be covered. The practical integration of the various elements pertaining to building, planning and construction will be stressed. The Plumbing and Electrical aspects of this code will not be addressed except as they apply to building planning. Multi-family and row house construction will not be addressed in this class. This class requires a high volume of technical reading. Registration-Enforced Prerequisite: CST 122. 2 lecture hrs/wk.
CST 280: Cooperative Work Experience: Construction (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

COOPERATIVE WORK EXPERIENCE

CWE 161: CWE Seminar I (1)
Develops career preparation skills. Students learn resources available for job searching and resume writing. Individual resumes are developed and an informational interview is planned and completed. 1 lecture hrs/wk. F, W, S

CWE 162: CWE Seminar II (1)
Assists students enrolled in business programs. Students research and prepare reports on specific areas of business such as personnel, advertising, finance, and marketing. Prerequisite: CWE 161; instructor approval. 1 lecture/hr/wk.

CWE 163: CWE Seminar III (1)
Continuation of CWE Seminar II, with emphasis placed on managerial skills. Student is required to develop a marketing plan or business plan. Prerequisite: CWE 162; instructor approval. 1 lecture/hr/wk.

DA - DENTAL ASSISTING

DA 102: Advanced Clinical Experiences (4)
In Advance Clinical Experience, students will demonstrate competence in dental procedures. These procedures will be timed and demonstrate the competency of the student. Prerequisite: currently enrolled in the Dental Assisting Program. Registration-Enforced Prerequisite: DA 195, DA 196 3 lecture, 3 lab hrs/wk. S

DA 103: Dentistry, Law & Ethics (1)
The course introduces the dental assisting student to the dental office environment. Identifies, describes and compares the role of each member of the team; law and ethics in dentistry that cover dental professionals with emphasis on Oregon Dental Practice Act. Prerequisite: currently enrolled in the Dental Assisting Program. 1 lecture hr/wk. F

DA 107: Dental Health Education I (1)
This course covers the basic concepts of preventive dentistry including the study of plaque-related diseases, fluoride therapy, brushing, and flossing techniques. Prerequisite: Currently enrolled in the Dental Assisting Program. 1 lecture hr/wk F

DA 108: Dental Health Education II (1)
Must be taken in sequence. This course covers the practical application of preventive dentistry concepts. Topics will include patient motivation, coronal polishing, fluoride application, nutritional counseling and the recognition of normal and abnormal oral conditions. Prerequisite: Currently enrolled in the Dental Assisting Program, and DA 107. 1 lecture hr/wk. W

DA 110: Health Sciences (3)
The study of structure and function of the human body. Bacteriology and microbiology, as related to dentistry are discussed. Prerequisite: Currently enrolled in the Dental Assisting Program. 3 lecture hrs/wk. F

DA 111: Dental Terminology (2)
This course provides students with a working knowledge of dental terminology. The course will include: spelling, pronunciation and definition of terms as well as the use of a dental dictionary and related references. Emphasis is on preparing for a career as a dental professional. 2 lecture hrs/wk. S

DA 115: Dental Anatomy (3)
The Dental Anatomy course presents the study of dental terminology, tooth numbers, surfaces and morphology. Students learn the basic structure and function of human anatomy with special emphasis on the head and neck. It prepares students to apply the fundamentals of general and dental anatomy to informed decision making, and to professional communication with colleagues and patients. Prerequisite: currently enrolled in the Dental Assisting Program. 3 lecture hrs/wk. F

DA 135: Oral Pathology (2)
The study of diseases and conditions affecting the gingiva, dentition, tongue and the oral cavity is the focus of this course. Oral manifestations of infectious diseases and injuries are also covered as well as ongoing discussions pertaining to the legal and ethical roles dental assistants encounter while assisting dentists and hygienists when pathological conditions are present. Prerequisite: currently enrolled in the Dental Assisting Program. 2 lecture hrs/wk. W

DA 139: Medical Emergencies in the Dental Office (2)
This course reviews conditions that contribute to medical emergencies in the dental office. Students will learn how to address medical emergencies and coordinate care with the emergency medical service. Prerequisite: Currently enrolled in the Dental Assisting Program. 2 lecture hrs/wk F

DA 192: Dental Materials I (3)
The composition, clinical properties, preparation, use and storage of materials used in dentistry. Prerequisite: Currently enrolled in the Dental Assisting Program. 2 lecture hrs/wk F

DA 195: Chairside Procedures I (4)
Basic chairside assisting procedures, such as preparation of client, oral evacuation techniques, instrument exchange, placement and removal of rubber dam, dental examination procedures, sterilization procedures, operative dentistry. It covers assessment data, asepsis and infection control, and contains an introduction to clinical procedures used at Umpqua Community College. Prerequisite: Currently enrolled in the Dental Assisting Program. 3 lecture, 3 lab hrs/wk. W

DA 196: Chairside Procedures II (4)
Specialties of dentistry, principle procedures, set-up, clinical experience. Prerequisite: currently enrolled in the Dental Assisting Program. Registration-Enforced Prerequisite: DA 195. 3 lecture, 3 lab hrs/wk. W

DA 198: Dental Materials II (2)
Completion of simple laboratory procedures, such as study model construction, die construction, Hawley retainer, bleaching trays, temporary crown construction, temporary restorations, and custom trays associated with specialties covered in Chairside Procedures II DA 196. Prerequisite: Currently enrolled in the Dental Assisting Program. 1 lecture/3 lab hrs/wk. S

DA 199: Dental Office Procedures (3)
Principles of appointment planning, telephone techniques, case presentation, and management of client accounts. Teaching computer lab to support computerized instruction. Prerequisite: Currently enrolled in the Dental Assisting Program. 3 lecture hrs/wk. S

DA 210: Dental Radiology I (4)
Historical background, terminology, and basic physics associated with Roentgen Ray x-ray. Types and speed ratings of x-ray film. Radiological health measures are studied. Examination and operation of dental X-ray unit. Darkroom chemistry and advanced procedure. Exposure of radiological films taken on Dextera manikin. Prerequisite: Currently enrolled in the Dental Assisting Program. 3 lecture, 3 lab W
DA 211: Dental Radiology II (3)
Provides basis for various occlusal film projections intra-oral periapicals and panoramic radiographs. Clinical laboratory provides skills in perapicals and bite-wing radiography. Students progress to exposure of radiological films on clinical patients. At the end of Spring Term students will produce the required State Board full motto set of radiographs within the allocated time restraints. Prerequisite: currently enrolled in the Dental Assisting Program. Registration-Enforced Prerequisite: DA 210. 2 lecture; 3 lab hrs/wk. S

DA 280: Cooperative Work Experience: Dental Assisting (1-13)
This course provides the student with dental assisting work experience in community businesses. The student will have the opportunity to integrate theory and practice gained in the classroom with practical experience in the professional world. In this course a student may develop skills, explore career options and network with professionals and employers while earning credit toward a certificate. Prerequisite: Currently enrolled in the Dental Assisting Program; instructor approval. 21 lab hrs/wk.

DLSC - DEVELOPMENTAL COURSES
DLSC 040, 041, 042: Learning Skills (1-3)
This course is a combination study skills/strategies coaching/support group for students with unique learning needs. Students are exposed to a variety of strategies and study skills and are encouraged to practice strategies in course work from other concurrent classes. Instructor approval required.

DRF - DRAFTING
DRF 112: Computer Aided Drafting (CAD) I (3)
This is a beginning level course which introduces computer aided drafting (CAD). The AutoCad 2011 software is used to set up drawings and perform basic drafting and editing commands. Emphasis is on two-dimensional drawings and engineering architectural aspects of computer drafting. This is an online enhanced course, meaning you are required to use online resources to pass this course. 2 lecture, 2 lecture/lab hrs/wk. F

DRF 113: Computer Aided Drafting (CAD) II (3)
Advanced two-dimensional, computer-aided drafting (CAD) commands and skills, integrated with engineering graphics. Orthographic and multi-view drawings are created using AutoCAD software. Emphasizes plotting final drawings to scale and following drafting standards, including standards for dimensioning, text, line weights, and title blocks. Registration-Enforced Prerequisites: CIV 112 or DRF 112, with a grade of C or better. 2 lecture, 2 lecture/lab hrs/wk. W

DRF 114: Computer Aided Drafting – Civil 3D (3)
This course uses the Autodesk Civil 3D program to produce drawings for civil engineering projects. Drafting practices are used to prepare site plans, layout building sites, and construct drawings of the infrastructure. Registration-Enforced Prerequisites: CIV 113 or DRF 113, with a grade of C or better. 2 lecture, 2 lecture/lab hrs/wk. S

DRF 116: Computer Aided Drafting – Structural (3)
This is an advanced level drafting course which introduces structural drafting processes for the computer aided drafter. AutoCad software is used to set up drawings and create basic structural drawings. Emphasis is on two-dimensional drawings and structural engineering computer drafting. Registration-Enforced Prerequisites: CIV 113 or DRF 113, with a grade of C or better. 2 lecture, 2 lecture/lab hrs/wk. S

DRF 134: Introduction to Geographic Information Systems (3)
This course is designed as an introduction to GIS and the spatial concepts it promotes. An understanding of digital geographic information and the intelligence behind it will be understood. ArcGIS is the software program used for the course. Registration-Enforced Prerequisites: CIV 112 or DRF 112, with a grade of C or better. 2 lecture, 2 lecture/lab hrs/wk. W

DRF 245: Engineering Graphics (3)
This course is an introduction to technical graphics as used for the communication of concepts in design and manufacturing, with practical applications using solid modeling software to capture design intent and to generate engineering drawings. SolidWorks is the computer software used for the course. Registration-Enforced Prerequisites: CIV 112 or DRF 112, with a grade of C or better. 2 lecture, 2 lecture/lab hrs/wk. S

DSKH - DEVELOPMENTAL COURSES
DSKH 025*: Adaptive Keyboarding (3)
This course is designed to teach keyboarding basics to students with disabilities who must use adaptive technologies for successful access to the keyboard or screen and/or unable to compete successfully in mainstream keyboarding classes. This course is graded on a P/F basis. Instructor approval required.

ECON - ECONOMICS
ECON 115: Introduction to Economics (3)
Introduction to Economics is a course that focuses on the definition of economics and the application of economic analysis. This analysis will be conducted within the students own life, within business applications, product and labor markets, national monetary and fiscal policy, and international trade. Current issues will be used whenever possible to illustrate fundamental concepts. Reference and use of current internet and other research sites will be utilized to provide the students with an option for lifelong research into economics. 3 lecture hrs/wk. F, W

ECON 201, 202, 203: Economics (3,3,3)
A sophisticated, three-term course sequence that includes fundamental vocabulary, theories, and analytical methods of economics. Students use text-related exercises and current events research to examination of the basic characteristics of the American economy and the principles that determine its performance. ECON 201 focuses on markets, consumer behavior and government-business interaction. ECON 202 focuses on the aggregate activity of a market economy, inflation, unemployment, and how the government can use macroeconomic policy to address these problems. ECON 203 utilizes techniques learned in the previous courses as well as additional concepts to analyze contemporary regional and national economic problems, current international trade and financial conditions. Students should not attempt to take these courses until they have successfully completed WR 121, 122, 123, and MTH 111. Students should take the courses in sequence. Instructor approval is required to enter ECON 202 or 203 if students have not completed ECON 201. 3 lecture hrs/wk. F, W, S

ECON 280: Cooperative Work Experience: Economics (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab. F, W, S
ED 100: Introduction to Education (3)
An introductory course in the field of education. There will be an emphasis upon teaching methods and skills, instructional processes, and philosophies of education. The class is an opportunity for students considering a career in education to gain insight. Background history check required. Contact instructor. 1 lecture hr/wk. Six practicum hrs/wk. F, W, S

ED 101: Early Childhood Education Seminar & Practicum I (4)
Discussion centered on ECE lab activities, behavior management and problem-solving techniques. Practical work experience will provide the student with a variety of experience working with children in early childhood programs under the close supervision of the instructional staff. Students work with children individually and in small groups and supervising children in outdoor activities. Prerequisites: Oregon Childcare Registry enrollment required, including background history check, and record of MMR vaccine. NOTE: Students registered on the Oregon Registry Step 7 may begin from ED 102 through to their desired level of Practicum. 2 lecture; 6 practicum hrs/wk. F, W, S

ED 102: Early Childhood Education Seminar & Practicum II (4)
Classroom time with ECE seminar instructor concerning practicum experiences - guidance of young children. Students will gain experience working with young children in an organized group setting, and will assist with supervision of the various daily activities in an ECE program. Prerequisites: ED 101, Oregon Childcare Registry enrollment, including background history check, and MMR vaccine. NOTE: Students registered on the Oregon Registry Step 7 may begin from ED 102 through to their desired level of Practicum. 2 lecture; 6 practicum hrs/wk. F, W, S

ED 103: Early Childhood Education Seminar & Practicum III (4)
Classroom time with ECE seminar instructor concerning practicum experiences - guidance of young children. Practical experience working with young children in the ECE lab. Activities and projects carried out will be student planned and implemented - more responsibility for student. Prerequisite: ED 102, Oregon Childcare Registry enrollment, including background history check, Infant/Child First Aid and CPR and Food Handlers Certificate. 2 lecture; 6 practicum hrs/wk. F, W, S

ED 104: Early Childhood Education Seminar & Practicum IV (4)
Classroom time with Early Childhood Educational seminar instructor concerning practicum experiences-guidance of young children. Practical experiences working with children. Explore interpersonal skills in order to function as a team member in planning and carrying out a comprehensive program for children. 2 lecture, 6 practicum hrs/wk. Prerequisite: ED 103, Oregon Childcare Registry enrollment, including background history check, Infant/Child First Aid and CPR and Food Handlers Certificate. F, W, S

ED 105: Early Childhood Education Seminar & Practicum V (4)
Discuss one’s own teaching style and the relationship of a teacher to children and parents. Practical experiences working with children. Explore interpersonal skills in order to function as a team member in planning and carrying out a comprehensive program for children. Prerequisite: ED 104, Oregon Childcare Registry enrollment, including background history check, Infant/Child First Aid and CPR and Food Handlers Certificate. 2 lecture, 6 practicum hrs/wk. F, W, S

ED 106: Early Childhood Education Seminar & Practicum VI (4)
Review state and local regulations and agencies that deal with young children. Plan to implement programs that provide positive learning experiences for the individual child and groups. Assist with administrative and supervisory tasks. 2 lecture, 6 practicum hrs/wk. Prerequisite: ED 105, Oregon Childcare Registry enrollment, including background history check, Infant/Child First Aid and CPR and Food Handlers Certificate. F, W, S

ED 113: Classroom Techniques in Reading & Language Arts (3)
Introduces the nature of the reading process and presents a systematic approach to language arts instruction. Students learn to link literacy instruction and assessment to state content standards. Classroom observations require a background history check. 3 lecture hrs/wk W

ED 114: Classroom Techniques in Math & Science (3)
This course prepares instructional assistants to help children learn specific math and science concepts. This will help students apply concepts to solve problems and develop a positive attitude toward math and science. Classroom observations require a background history check. 3 lecture hrs/wk. S

ED 121, 122, 123: Leadership Development I, II, III (3,3,3)
These courses are designed to provide emerging and existing leaders with the opportunity to explore the concept of leadership skills. The courses integrate readings, experiential exercises, films, and historical and contemporary readings on leadership.
ED 121: Leadership theory, philosophy, vision, goal-setting. F
ED 122: Decision making, team building, empowering and delegating. W
ED 123: Initiating change, managing conflict, leadership ethics, service. S
May be taken singly or in any order, although sequence is recommended. 3 lecture hrs/wk.

ED 125: Tutoring Adults (1)
Individual instruction in teaching required skills and opportunity to practice these skills in order to become an effective tutor of adult learners. Topics include, but are not limited to, reading, writing, spelling, mathematics and English as a Second Language. Tutoring Adults may be repeated two terms, for a maximum of three credits earned in three terms. 1 lecture hr/wk. F, W, S

ED 128: Professional Truck Driver Trainer Certificate (4)
This class is designed to assist trainers and instructors, develop, fine-tune, and improve skills in training and facilitation. The course has been developed to certify individuals to deliver the Transportation Customer Service Skills course to warehouse workers and truck drivers as part of the Professional Truck Driver Trainer Certificate. 4 lecture hrs/wk. F

ED 130: Classroom Management (3)
Provides a foundation in comprehensive classroom management theory and application related to emotional education, management techniques, and problem-solving for effectively handling unproductive student behaviors in the classroom, the cafeteria, assemblies, on the playground, and on field trips. 3 lecture hrs/wk. F

ED 131P: Instructional Strategies (3)
This introductory course for educators focuses on the components of effective instruction. Students will design standards based activities that integrate multiple content areas, address the instructional needs of diverse learners and include appropriate strategies for assessment. 3 lecture hrs/wk. F
ED 140: Introduction to Early Childhood Education (2)
Focus on the historical and philosophical development of the field, programs, and major approaches to early childhood education and current trends in the field. Emphasis will be focused on early childhood education as a career. Students will become aware of professional organizations concerned with young children. 2 lecture hrs/wk. F

ED 150: Creative Activities for Children (3)
Introduces creative activities suitable for preschool children in fields of art, music, dramatics, rhythms, games, finger play, carpentry and water play. Development of the student’s creative imagination will be stressed. Oregon Childcare Registry enrollment required, including a background history check. 3 lecture hrs/wk. W

ED 154: Literature and Language for Children (3)
This course provides an overview of literature and language development in young children. Quality children’s literature, a rationale for the purpose of such literature, ways to implement its use, and ways to evaluate its appropriateness for young children are addressed. Lectures and demonstrations, reading and evaluations of children’s books, and practical experiences with children and literature are included. Registration-Enforced Prerequisite: WR 121. 3 lecture hrs/wk. S

ED 169: Overview of Students with Special Needs (3)
This course is designed to introduce participants to categories of special education eligibility as defined by the Individuals with Special Disabilities Act. Through various activities students will learn to recognize, understand, and plan for instruction and/or tutoring for students with special needs. 3 lecture hrs/wk. W

ED 178: Observing/Guiding Behavior (3)
Students will identify the guidance needs of young children and learn techniques and strategies to meet these needs. Exercises are designed to develop observation, recording and guidance skills. Students will be observing an early childhood education center. Oregon Childcare Registry enrollment required, including background history check. 3 lecture hrs/wk. W

ED 200: Foundation of Education (3)
This course will examine historical, philosophical, political, legal, and economic aspects of K-12 public education. Current issues and trends will also be explored. 3 lecture hrs/wk. W

ED 209: Theory and Practicum (2)
An introductory experience in an elementary or secondary classroom where the student experiences what teaching really is like, by “practice teaching” with an authorized supervising teacher. Prerequisite: Concurrent enrollment in ED 200. 6 lab hrs/wk. F, W, S

ED 229: Learning & Development (3)
This class introduces the participant to theories of behavior, motivation and human development as applied to classroom practice and teaching/tutoring techniques. It also examines ways to personalize learning for a diverse student population. 3 lecture hrs/wk. Su

ED 235: Educational Technology (3)
This course trains students in the preparation and use of media and technology in school settings. Students will develop an understanding of the role of media in learning and methods for incorporating media in instruction. Prerequisite: CIS 120 or Instructor approval. 3 lecture hrs/wk. Su

ED 240: Lesson & Curriculum Planning (3)
Development of fundamental goals for facilitating growth and development of children in early childhood learning and care programs; planning daily and weekly program activities; emphasis on stimulating learning through a variety of materials and methods; building relations between home and early childhood learning and care programs. 3 lecture hrs/wk. S

ED 244: Individual Learning for Preschoolers (3)
Introduces students to methods of developing individualized learning materials in settings for preschool children. Designed specifically for people working with Early Childhood Education programs. Oregon Childcare Registry enrollment required, including background history check. 3 lecture hrs/wk. S

ED 247: Administration of Child Care Centers (3)
Overall view of administration and operation of child care centers: Site location and development, regulatory agencies and license requirements, policy formation and development, planning space and equipment, staff selection and management, boards and advisory committees, funding sources and legal responsibilities. 3 lecture hrs/wk. W, alternate years

ED 250: Essential Motivational Interviewing Strategies (1)
This practice-based training class is designed for professionals in any setting who are working with people to change behavior. Participants will learn motivational interviewing as an approach to facilitating change, and its underlying principles. Participants will learn the spirit of motivational interviewing, ways of understanding motivation, the Stages of Change model, FRAMES, principles of motivational interviewing, five early strategies of motivational interviewing, how to evoke and facilitate “change talk”, when to be directive and non-directive, and how to recognize and respond to resistance. Participants will explore how to effectively adapt motivational interviewing concepts to the context of one’s work setting and role, including issues of complimentary service philosophies and approaches, program goals, service intensity, cultural congruence, and sequencing of services. 1 lecture hrs/wk. Instructor approval required.

ED 254: Instructional Strategies for English Language Learners (3)
This course will examine pedagogical and cultural approaches which lead to successful acquisition of English Language skills and content knowledge. Classroom observations require a background history check. 3 lecture hrs/wk. Su

ED 258: Multicultural Education (3)
Introduces the philosophy, activities, and materials applied in developing a culturally-sensitive multicultural classroom and curriculum. 3 lecture hrs/wk. S

ED 280: Cooperative Work Experience: Education (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

EMS - EMERGENCY MEDICAL SERVICES

EMS 151: EMT Basic A (5)
Term one of a two-term series. Designed to train personnel to respond to emergency situations to render proper treatment in case of sudden emergencies, accidents or disasters. Course focuses on the recognition and treatment of shock, fractures, poisonings, burns, stroke and heart attack. Prerequisite: Completion of placement testing for reading at RD 90 or higher, writing skills at WR 115 or higher, and math at MTH 20 or higher. Must have a high school diploma, GED, or equivalent by the time of application for certification. Must meet standards as set by the Oregon State EMS Office for certification which includes health, driving, immunizations, and background history check. Meets or exceeds intent of National Registry. 4 lecture, 2 lecture/lab hrs/wk. Fee: $350. F, S. Program Coordinator Approval Required for Admission.
EMS 152: EMT Basic B (5)
Term two of a two-term series. After successful completion of EMS 152 the student can apply for certification at the state and national level for EMT Basic. Failure of this course will require retaking the full sequence of EMT Basic courses. Registration-Enforced Prerequisite: Successful completion of EMS 151. 4 lecture, 2 lecture/lab hrs/wk. Fee: $350. W, Su

EMS 170: Emergency Communication (2)
Communication systems, radio types, HEAR system, codes and correct techniques. 20 lecture hrs (1wk) $5

EMS 171: Emergency Transport (2)
Ambulance operations, laws, maintenance, safety, emergency response driving and route planning. Fee: $75. 20 lecture hrs (1wk) $5

EMS 175: Introduction to Emergency Medical Services (3)
Organization, funding and role of ambulance and rescue services in medical care; personnel, history and trends, evaluation, planning, disaster response, training, leadership, career development. Corequisite: Concurrent enrollment in or completion of EMS 151. 3 lecture hrs/wk. F, S

EMS 180: Crisis Intervention (3)
Intervention in behavioral crises of: sudden death, suicide, rape, murder, vehicle accidents, disease, trauma, and child abuse. Resources, supporting behavioral patterns, and handling emotional stress of the individual. Coping with emotional conflict within one's self. Prerequisite: EMS 151. 3 lecture hrs/wk. W, S

EMS 220: ACLS - Advanced Cardiac Life Support (1)
A two-day course designed to educate healthcare professionals in the management of cardiac arrest and near-arrest patients. Fee: $175. F

EMS 225: NRP - Neonatal Resuscitation (1)
An 8-hour course addressing resuscitation of the neonate. Fee: $175 Su

EMS 230: PEDS - Pediatric Pre-Hospital Care (1)
A two-day course concentrating on advanced life support skills to be used in dealing with infants and children. Fee: $175. S

EMS 235: PHTLS - Pre-Hospital Trauma Life Support (1)
A two-day course for the pre-hospital care provider designed to give specific pre-hospital assessment of trauma patients. Fee: $200 W

EMS 251: Paramedic A (10)
Term one of a four-term series, plus specialty courses, in Paramedic education. This course begins with foundational competencies in medical terminology, patient assessment, airway and ventilation, pathophysiology of shock, intravenous access and limited pharmacology. Delivery of currently accepted protocols and procedures is applied to patients presenting the signs and symptoms consistent with emergencies in the above categories. Prerequisite: BI 231, BI 232, BI 233, WR 121, MTH 095, EMS 151, EMS 152, EMS 170, EMS 175, EMS 180, and MED 111 with a grade of C or better. Oregon Basic EMT or EMT Intermediate certification, current immunizations. 8 lecture, 4 lecture/lab hrs/wk. Fee: $400. Program Coordinator Approval Required for Admission. F

EMS 252: Paramedic B (8)
Term two of a four-term series, plus specialty courses, in Paramedic education. This course continues with objectives covered in EMT 251. This course will also cover Patient Assessment and Traumatic Injuries. Clinical and Internship with outside agencies will also begin during the course of this. Corequisite: EMS 261. Registration-Enforced Prerequisite: EMS 251. 6 lecture, 4 lecture/lab hrs/wk. Fee: $400. W

EMS 253: EMS Paramedic C (8)
Term three of a four-term series, plus specialty courses, in Paramedic education. This course continues with objectives covered in EMS 251 & EMS 252. This course will also cover endocrine, abdomen, genitourinary, and environmental problems, anaphylaxis, toxicology, drug and alcohol abuse and infectious diseases. Clinical and Internship with outside agencies will continue during the course of this term. Corequisite: EMS 262. Registration-Enforced Prerequisite: EMS 252. 6 lecture, 4 lecture/lab hrs/wk. Fee: $400. S

EMS 254: EMS Paramedic D (6)
Term four of a four-term series, plus specialty courses, in Paramedic education. This course continues with objectives covered in EMS 251, EMS 252, & EMS 253. This course will also cover patients with special needs, social issues, and chronic illnesses. This course also covers assessment-based management, clinical decision making, system status management, and crime scene awareness. Clinical and Internship with outside agencies will continue during the course of this term. A comprehensive final written and practical exam is included. Corequisite: EMS 263. Registration-Enforced Prerequisite: Completion of EMS 253. 4 lecture, 4 lecture/lab hrs/wk. Fee: $400. Su

EMS 261: Paramedic Clinical & Internship I (2)
This course begins the in-hospital clinical experience including direct patient care responsibilities necessary for completion of the educational objectives. Patients are in a hospital/clinical setting with disease and injury conditions comparable to those the student will experience in pre-hospital care situations. This course initiates the field experience designed to expose student to disease and injury conditions. This is the first in a series of three courses that fulfill the required 250 hours of clinical experience and number of pre-hospital calls necessary to fulfill the State curriculum. Department permission required. Corequisite: EMS 252. Prerequisite: Completion of EMS 251. Fee: $200. 6 practicum hrs/wk. W

EMS 262: Paramedic Clinical & Internship II (2)
This course continues the in-hospital clinical experience including direct patient care responsibilities necessary for completion of the educational objectives. Patients are in a hospital/clinical setting with disease and injury conditions comparable to those the student will experience in pre-hospital care situations. This is the second in a series of three courses designed to continue the field experience to expose student to disease and injury conditions they may encounter on the job. This course works towards completing the required 250 hours of clinical experience and number of pre-hospital calls necessary to fulfill the State curriculum. Department permission required. Corequisite: EMS 253. Prerequisite: Completion of EMS 252 & EMS 261. Fee: $200. 6 practicum hrs/wk. S

EMS 263: Paramedic Clinical & Internship III (2)
This course completes the in-hospital clinical experience including direct patient care responsibilities necessary for completion of the educational objectives. Patients are in a hospital/clinical setting with disease and injury conditions comparable to those the student will experience in pre-hospital care situations. This course, the third in the series, is designed as field experience which exposes student to disease and injury conditions they may encounter on the job. This course works towards completing the required 250 hours of clinical experience and number of pre-hospital calls necessary to fulfill the State curriculum. Department permission required. Corequisite: EMS 254. Prerequisite: Completion of EMS 253 & EMS 262. Fee: $200. 6 practicum hrs/wk. Su

EMS 280: Cooperative Work Experience: Emergency Medical Services (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.
EMS 298: Independent Study: EMS (1-3)
Independent study on subjects outside the course curriculum or in-depth studies of a particular aspect of course content. Affords an opportunity for students with previous study in a subject area to pursue further investigations for credit. Registration: Enforced Prerequisite: Instructor, Department Chair, and Dean approval of study plan. 6 credits maximum total credit.

ENG - ENGLISH

ENG 104, 105, 106: Introduction to Literature (3,3,3)
In the Introduction to Literature series, students are introduced to the conventions and characteristics of short fiction (ENG 104), drama (ENG 105) and poetry (ENG 106). In ENG 105, students get the opportunity to attend a play in Ashland. Through active reading, critical thinking, engaged discussion, and effective writing, students will learn to interpret, analyze, critically evaluate, and appreciate a variety of literature. The changing historical, political, and cultural contexts in which the works were produced will be examined, as well the remarkable diversity of writers and subject matter, including issues of race, ethnicity, class, gender, and sexual orientation. The courses also introduce students to literary theory, including technical terms and their application. The three courses need not be taken in sequence. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. F, W, S

ENG 107, 108, 109: World Literature (3,3,3)
ENG 107 examines the literature of Greece, Rome, the Bible and the European medieval period. ENG 108 covers the Renaissance, Neoclassical, Romantic, and Modern periods of Western literature as well as some contemporaneous literatures worldwide. ENG 109 deals exclusively with non-Western literatures, including those from Asian, African, and non-Western cultures worldwide. Courses need not be taken in sequence. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. F, W, S

ENG 201, 202, 203: Shakespeare (3,3,3)
ENG 201: A study of the early comedies, tragedies, and histories. ENG 202: A study of the sonnets and important middle comedies and tragedies. ENG 203: A study of the later tragedies and romances. Special emphasis given to similarities and differences in cultural perceptions in Europe, America, and England. Courses may be taken out of sequence. Available to both first-year and sophomore students. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. F, W, S

ENG 204, 205, 206: Survey of English Literature (3,3,3)
Class discussion emphasizes the content and meaning of the selections read. ENG 204: Principal works of the Old English, Middle English, and Renaissance periods in English literature. ENG 205: Selections from the principal English writers of the seventeenth, eighteenth, and early nineteenth centuries. ENG 206: Works of representative novelists, essayists, and poets from the Romantic period to the present day. Intercultural aspects of each era are emphasized. Courses may be taken out of sequence. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. F, W, S

ENG 230: Environmental Literature (3)
This course aims to explore the ways in which ideas about the physical or “natural” environment have been shaped into American literature. The course will survey a variety of important texts in this tradition and introduce students to different eras and genres, including early environmental thinkers, policy documents, progressive and radical writers, as well as gendered discourse. Students will employ critical writing, critical thinking and critical reading skills. Although this is a literature course, we will keep issues from environmental ethics and environmental history close at hand, and students will be invited to devote one paper to linking environmental questions to an area of their own interest. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. F, W, S

ENG 250: Introduction to Mythology (3)
This is a survey of global myth and sacred texts, with emphasis on, but not limited to, those myths emerging within the confines of early Western civilizations. The course emphasizes an understanding of both the impetus for and development of sacred stories in a particular cultural context, and also the resulting influence of myth on the social, political, psychological and philosophical development of a particular people. The course examines the dominant themes of global myth in a comparative context. The course also examines the transition of stories emerging in oral tradition to those that become later literary texts. The course emphasizes both a scholarly and multi-cultural examination of global myth. 3 lecture hrs/wk. S

ENG 253, 254, 255: Survey of American Literature (3,3,3)
A study of American poetry, drama, and prose writings from Bradford to the present with emphasis on literary and cultural values. Historical and cross cultural influences stressed as well as critical and analytical approaches. Courses need not be taken in sequence. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. F, W, S

ENG 260: Introduction to Women's Literature (4)
This course introduces students to a wide range of works—poetry, short fiction, a novel, essays—by women writers in English traditions from the nineteenth and twentieth centuries. While learning to appreciate the aesthetic qualities of diverse literary works, the class will focus on ways these works illuminate a variety of issues pertinent to women, including the ways in which women are impacted by the patriarchal, often misogynistic, views of the dominant culture of their time. Students will be introduced to feminist theory and literary criticism to help illuminate the role of gender and sexism in shaping identity and experience. We will also consider the ways that other markers of identity—such as class, race, ethnicity, and sexual orientation—and intersect with gender, resulting in different forms and degrees of inequality and discrimination. Active reading, critical thinking, engaged discussion, and effective writing and speaking are emphasized. Recommended Prerequisite: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND RD 090 with a grade of C or better or appropriate Compass placement test scores. 4 lecture hrs/wk. Su

ENG 288: Cultural Diversity in Contemporary American Literature (3)
A study of cultural diversity as demonstrated and recorded in American literature from 1965 to present day. This course emphasizes literary and cultural values through the study of poetry and fiction of contemporary writers. The course will focus on those writers who offer first-hand views of life within traditionally marginalized cultural groups including women, GLBT, African-Americans, Latin-Americans, Asian-Americans and Native Americans. Critical and analytical approaches will be stressed. Recommended Prerequisites: WR 095 with a grade of C or better or appropriate Compass placement test scores; AND Reading 90 with a grade of C or better or appropriate Compass placement test scores. 3 lecture hrs/wk. W
ENGR - ENGINEERING

ENGR 111: Engineering Orientation I (3)
Engineering as a profession, historical development, ethics, curricula and engineering careers. Introduction to problem analysis and solution, data collection, accuracy and variability. Registration-Enforced Prerequisite: MTH 095. 3 lecture hrs/wk. F

ENGR 112: Engineering Orientation II (3)
Systematic approaches to engineering problem solving using computers, spreadsheets, logical analysis, flow charting, input/output design, introductory computer programming. Registration-Enforced Prerequisite: ENGR 111. 2 lecture, 2 lecture/lab hrs/wk W

ENGR 201: Electrical Fundamentals (3)
Electrical theory laws. Circuit analysis of DC circuits. Natural, step, and sinusoidal responses of circuits, operational amplifier characteristics and applications. Prerequisite: MTH 251, 252, PH 211. 2 lecture, 2 lecture/lab hrs/wk W

ENGR 202: Electrical Fundamentals II (3)
Sinusoidal steady-state analysis and phasors. Application of circuit analysis techniques to solve single-phase and three-phase circuits including powers; mutual inductance, transformers and passive filters. Prerequisite: ENGR 201. 2 lecture, 2 lecture/lab hrs/wk W

ENGR 211: Statics (4)
Analysis of forces induced in structures and machines by various types of loading. Corequisite: MTH 251. 4 lecture hrs/wk. F

ENGR 212: Dynamics (4)
Kinematics, Newton's laws of motion, and work-energy and impulse-momentum relationships applied to engineering systems. Prerequisite: ENGR 211, MTH 251. 4 lecture hrs/wk. W

ENGR 213: Strength of Materials (4)
Properties of structural materials; analysis of stress and deformation in axially loaded members, circular shafts, and beams and in statically indeterminate systems containing these components. Prerequisite: ENGR 211. 4 lecture hrs/wk. S

FA - FILM ARTS

FA 256: American Film History (4)
American Film History is an introductory course designed to bring American film into clear focus as an art form, a business, and a cultural phenomenon. The course explores how feature films work technically, artistically, and culturally. The course will probe the deeper meaning of American movies — the hidden messages of genres, the social and psychological effects of Hollywood film style, and mutual influence of society and popular culture. 4 lecture hrs/wk. F, S

FN - FOOD & NUTRITION

FN 225: Human Nutrition (4)
A study of the biochemical nature of food nutrients; the physiological means of digestion, absorption, and transport; and the metabolic pathways involved in their disposition by the body. Includes fundamental chemical and biological concepts relevant to nutrition, diet-assessment procedures, and the relationship between diet and health, body composition, and physical fitness/athletic performance. Basic biology and chemistry preferred. 4 lecture hrs/wk. F, W, S

FN 230: Personal Nutrition (3)
Personal and social aspects of nutrition and basic nutrients as they apply to growth and development throughout the life cycle. Emphasis on the health and safety of the young child. Activities relate to the application of nutrition knowledge to everyday life. 3 lecture hrs/wk. F, W, S

FR - FRENCH

FR 101: First-Year French (4)
Through active classroom participation the student will develop the basic skills of speaking, listening, reading and writing in French. The course emphasizes the learning of French within a culturally-authentic context, while introducing the student to the diversity of the French-speaking world. Registration-Enforced Prerequisite: WR 115 with a grade of C or better. 4 lecture hrs/wk. F

FR 102: First-Year French (4)
Students will further develop the basic skills of speaking, listening, reading and writing. The course emphasizes oral communication and listening comprehension within a culturally-authentic context. Students will deepen their awareness of the French-speaking world. Registration-Enforced Prerequisite: WR 115 and FR 101 with a grade of C or better. 4 lecture hrs/wk. W

FR 103: First-Year French (4)
Students will practice active communication while strengthening speaking, reading, writing, and listening skills within a culturally-authentic context. Through the study of literature and other media, students will deepen their awareness of the French-speaking world. Registration-Enforced Prerequisite: WR 115 and FR 102 with a grade of C or better. 4 lecture hrs/wk. S

FR 201: Second-Year French (4)
This course promotes intensive development of oral and written French language skills. Students will review and expand on first-year structural patterns and vocabulary by integrating listening, speaking, reading, and writing skills. In-depth exploration of cultures is offered through the use of authentic materials from the French-speaking world. Conducted in French. Registration-Enforced Prerequisite: FR 103 with a grade of C or better or equivalent. 4 lecture hrs/wk. F

FR 202: Second-Year French (4)
This course continues an in-depth development of oral and written French language skills with further emphasis on vocabulary and complex grammatical concepts. In-depth exploration of cultures is offered through the use of authentic materials from the French-speaking world. Conducted in French. Registration-Enforced Prerequisite: FR 201 with a grade of C or better or equivalent. 4 lecture hrs/wk. W

FR 203: Second-Year French (4)
This course promotes continued development of French language skills through in-depth oral activities and discussions of themes, analysis of current events relating to the French-speaking world; and the use of written materials as a means of communication. In-depth exploration of cultures is offered through the use of authentic materials from the French-speaking world. Registration-Enforced Prerequisite: FR 202 with a grade of C or better or equivalent. 4 lecture hrs/wk. S

FR 211, 212, 213: Conversational French (3, 3, 3)
The objective of this course is to continue to improve oral skills. Grammar and idiomatic expressions currently used in modern French will be incorporated to give students exposure to both the written and spoken language. Literature selections from the 16th and 17th centuries will be used for reading comprehension. Prerequisite: FR 203 or equivalent. 3 lecture hrs/wk. F, W, S
FRP 101: Fire Fighter Safety & Survival (2)
The course is designed for entry-level firefighters as well as company and chief fire officers. Emphasis is placed on reducing future injuries and deaths through improving safety behaviors through a study of case reviews, group exercises, and individual research work. Meets or exceeds intent of: NFPA 1021:2013, NFPA 1521:2015.

FRP 111: Building Construction for Fire Suppression (2)

FRP 121: Elementary Science for Firefighters (4)
Basic firefighting skills required of a firefighter including hose, ladders, breathing apparatus, salvage and overhaul, fire streams, ventilation, search and rescue. The course meets all accreditation requirements for NFPA FFI. Meets or exceeds intent of: NFPA 1001-5.1-6.5.4, NFPA 10 Annex "D", NFPA 1021.3.3 lecture, 3 lab hrs/week.

FRP 122: Fundamentals of Fire Prevention (2)
Philosophy and history of fire protection, review of life and property loss statistics, fire protection agencies, current and future fire protection problems, fire prevention programs, general public education, development and enforcement of fire prevention laws and regulations, responsibility of state fire marshals, local fire departments, property owners, fire safety, reporting fire prevention activities, drills, policies, public relations. Emphasizes "company inspections." Meets or exceeds intent of: NFPA 1021-2.3, NFPA 1021-2.3.1, NFPA 1021-2.3.2, NFPA 1021-2.3.2.1, NFPA 1031-4.1-4.4. 2 lecture hrs/week.

FRP 123: Hazardous Materials Awareness/Operations (4)
How to handle emergencies involving hazardous materials. Includes recognition of the hazards, responding, intervening, and stabilizing the situation. Meets or exceeds intent of: NFPA 472:4.1-4.6, 5.1-5.6, 7.1-7.6. Prerequisite: FRP 121 or instructor approval. 3 lecture, 1 lab hrs/week.

FRP 132: Fire Pump Construction and Operation (3)
Theory of pump operation, types and features of various pumps, practical operation of fire pumps and accessories. Includes drafting, hydrant and tanker operations, and "rule-of-thumb" fire ground hydraulic calculations. Students should also receive actual practice using local department's apparatus. Meets or exceeds intent of: NFPA 1001-5.1, NFPA 1002:4.1, 4.2, 4.3, 5.1, 5.2, 8.1, 8.2, 10.1, 10.2 Annex B.1. Prerequisite: Second-year standing or instructor approval. 2 lecture, 1 lab hrs/week.

FRP 133: Natural Cover Fire Protection (3)
Studies causes, prevention, fire behavior, standing orders, and fire suppression methods of natural cover fires. Focuses on urban interface fires. Meets or exceeds intent of: NWCG-S-130, S-190, I-100, L-I80. 3 lecture hrs/week.

FRP 151A, B, C: CPAT Training (3)
This is a sequential course that progresses from A to C through the academic year. New students must attend these classes in order unless they have instructor approval. Classes consist of daily physical training including jogging, running, weight lifting, stretching, and drills that familiarize the student with CPAT events. Each part has a time requirement that decreases through the sequence until a desired time is achieved. 9 lab hrs/week.

FRP 163: NFPA Fire Instructor I (2)
The fire service instructor and his job, principles of learning, teaching procedures (preparing course outlines and lesson plans, managing a classroom, evaluation techniques), training aids and devices. Prerequisite: Second-year standing with fire protection agency or instructor approval. 2 lecture hrs/week.

FRP 201A: Fire Rescue Practices – Rough Terrain (1)
Introduction to techniques and equipment of vertical rescue operations and Fire Rescue Practices, for fire department rescuers using advance rope and raising practices as per the NFPA 1670 standards. Meets or exceeds intent of: NFPA 1670 6.1-6.4. 12 lecture, 8 lab hours (1 weekend).

FRP 201B: Fire Rescue Practices – Swiftwater (1)
This course is designed to provide students with knowledge and skills to function safely under emergency conditions present during water rescue operations. The students will use advanced rope and water rescue practices as per the NFPA 1670 standards. Meets or exceeds intent of: NFPA 1670 9.1-9.4. 12 lecture, 8 lab hours (1 weekend).

FRP 201C: Fire Rescue Practices – Vehicle Extrication (1)
Elementary procedures of rescue practices, systems, components, support, and control of rescue operations. The students will use extrication techniques as per the NFPA 1670 standards. Meets or exceeds intent of: NFPA 1670 8.1-8.4. 12 lecture, 8 lab hours (1 weekend).

FRP 201D: Swift Water Advance (2)
Advance Fire Rescue Practices, for SR 1 rescuers using advance rope and water rescue practices as per the NFPA 1670 standards. Meets or exceeds intent of: NFPA 1670. 15 lecture, 25 lab hours (1 weekend).

FRP 202: Fire Protection Systems & Extinguishers (3)
Portable extinguisher equipment, sprinkler systems, protection systems for special hazard, fire alarm and detection systems, ventilating systems. Prerequisite: Second year standing or instructor approval. Meets or exceeds intent of: NFPA 1021-3.5.1, NFPA 1021-3.5.2 NFPA 1021:3-6. 1 NFPA 1031-4.1-4.4. 3 lecture hrs/week.

FRP 212: Fire Investigation (3)
Effect on fire prevention by isolating cause of fire. Burning characteristics of combustibles, interpretation of clues, burn patterns leading to points of origin, identification of incendiary indications, sources of ignition and ignited materials, and preservation of fire scene and evidence. Meets or exceeds intent of: NFPA 1021-3.5.1, NFPA 1021-3.5.2, NFPA 1021-3.6. 1 NFPA 1031-4.1-4.4. 3 lecture hrs/week.

FRP 213: Fire Fighting Tactics & Strategy (3)
Covers the fire command system, rescue, offensive and defensive fire attack, property conservation, staging and apparatus placement, sectoring and company functions, communication, command procedures. Meets or exceeds intent of: NFPA 1021-3.4, 3.4.1, 3.4.2, 3.4.3, 3.4.4. Prerequisite: Second-year standing or instructor approval. 3 lecture hrs/week.

FRP 230: Fire Service Hydraulics (4)
The student will review basic mathematics and learn hydraulic laws and formulas as applied to the fire service; basic fire ground hydraulics with emphasis on "rule of thumb" operations; application of formulas and mental calculations to hydraulic problems; fire ground water supply problems; advanced fire ground hydraulics with emphasis on complicated pumping operations and underwriter requirements for pumps and accessories. Meets or exceeds intent of: NFPA 1001-5.1, 5.2, NFPA 1002-4.1, 4.2, 4.3, 5.1, 5.2, 8.1, 8.2, 10.1, 10.2 Annex B.1. 3 lecture; 2 lecture/lab hrs/week.
FRP 240: Water Distribution Systems (3)
Main systems—size, gridding, valves, hydrants, pumping stations and reservoir, fire-flow requirements for commercial and residential districts, storage tanks, cisterns, and mobile supplies. Prerequisite: Second year standing or instructor approval. Meets or exceeds intent of: NFPA 1001-5.1, 5.2, NFPA 1002-4.1, 4.2, 4.3, 5.1, 5.2, 8.1, 8.2, 10.1, 10.2 Annex B.1, NFPA 1021-2.1, 1021-2.2, 2-2.2, 2-2.3, 2-2.4, 2-2.5, 2-2.6
NFPA 1035-3.1-3.2. 3 lecture hrs/wk.

FRP 263: NFPA Fire Instructor II (2)
Provides the fire service instructor with the knowledge and necessary skills needed to prepare class outlines and basic instructional materials needed to teach formalized classes. Areas covered include lesson plan preparation, selection and use of audio/visual aids, the learning/teaching process, student evaluation, and one practice teaching session. Meets or exceeds intent of: NFPA 10415.1-5.5. Prerequisite: FRP 163. 2 lecture hrs/wk.

FRP 270: NFPA Fire Officer I A (4)
Designed to meet National Fire Protection Association Standard 1021 (NFPA). This is the first of a two-part series that explores a contemporary look at the duties and responsibilities of first-level supervisors and covers first-level supervisory functions associated with human resource management, community and government relations, fire administration, inspection and investigative emergency service delivery and safety. Registration-Enforced Prerequisite: Instructor approval required. 4 lecture hrs/wk. F, W, S

FRP 271: NFPA Fire Officer I B (4)
Designed to meet National Fire Protection Association Standard 1021 (NFPA). This is the second part of the requirements of Fire Officer I and further explores the duties and responsibilities of first-level supervisors and covers first-level supervisors and covers first-level supervisory functions with human resource management, community and government relations, fire administration, inspection and investigative emergency service delivery and safety. Registration-Enforced Prerequisite: FRP 270. 4 lecture hrs/wk. F, W, S

FRP 280: Fire Related Skills (6 terms at 2 credits/term)
Orientation to fire incident related experience courses, engine company organization, engine configuration, small tools and minor equipment carried, basic hose practices, basic hose lays, use of protective breathing apparatus, response, district maps, phantom box areas, communication procedures, fire apparatus driving practices. Completion of FRP 280 (12 credits) meets Department of Public Safety Standards and Training (DPST) NFPA Fire Fighter I. 10-12 lab hrs/wk each. Registration-Enforced Prerequisite: Instructor approval required.

FRP 290: NFPA Fire Officer II A (4)
Designed to meet National Fire Protection Association Standard 1021 (NFPA). This is the first of a two-part series that explores a contemporary look at the duties and responsibilities of second-level supervisors. This course covers second-level supervisory functions associated with human resource management, community and government relations, fire administration, inspection and investigation emergency service delivery and safety. Registration-Enforced Prerequisite: FRP 271. 4 lecture hrs/wk. F, W, S

FRP 291: NFPA Fire Officer II B (4)
Designed to meet National Fire Protection Association Standard 1021 (NFPA). This course is the second part of the requirements of Fire Officer II and further explores the duties and responsibilities of second-level supervisors. This course covers second-level supervisory functions associated with human resource management, community and government relations, fire administration, inspection and investigation emergency service delivery and safety. Registration-Enforced Prerequisite: FRP 290. 4 lecture hrs/wk. F, W, S

FRP 292: N

GEO - GEOLOGY

G 145: Geology of the Pacific Northwest (3)
Geology and geologic history of the different provinces of Oregon and adjacent regions of Washington, Nevada, California, Idaho. Special attention paid to the intersecting geologic provinces in Douglas County: the Coast Range, Klamath and Cascade Provinces. 3 lecture hrs/wk. W, alternate years.

G 146: Rock and Minerals (4)
This course is designed for non-science majors and those interested in amateur rock and mineral collecting. Crystal growth, form, and symmetry will be explored in the laboratory, as well as physical, chemical and optical properties of common rocks and minerals that aid in their identification in the field and laboratory. Special attention is paid to the occurrences of unique rock types and mineral deposits in Oregon. 3 lecture, 3 lab hrs/wk. [Not offered every year]

G 201, 202, 203: General Geology (4,4,4)
An introduction to the study of the earth, physical processes affecting the earth, and events of earth history that have shaped it. G 201: Earth materials, rocks and minerals, volcanism, geophysics and seismology, plate tectonics. G 202: Surficial processes, weathering, mass wasting, erosion. Landforms of deserts, coasts, rivers, glaciers. Environmental topics; mining, climate change, fossil fuels, ground and surface water use, and waste disposal. G 203: History of the earth and the fossil record as recorded in the sedimentary sequence. MTH 060 recommended. Optional field excursions to areas of geologic interest. May be started any term. 3 lecture, 3 lab hrs/wk. F, W, S

G 213: Geology of the National Parks (3)
This course is intended for non-science majors who wish to explore the landscape formation and geologic history of North America’s scenic National Parks. Of use or interest to outdoor recreation majors, those intending to work on our public lands, education, or geology majors. 3 lecture hrs/wk. S

GEO - GEOGRAPHY

GEO 100: Introduction to Physical Geography (3)
An introduction to the physical elements of geography and the environment in which people live. Focus is on natural processes that create physical diversity on the earth. Major topics include weather and climate, vegetation and soils, and landforms. 3 lecture hrs/wk.

GEO 110: Introduction to Human Geography (3)
Introduction to cultural elements of geography, including human population, agriculture, political patterns, language, religion, folk culture, popular culture, urban landscapes, industry, and transportation. 3 lecture hrs/wk.

GEO 120: World Regional Geography (3)
Explores the physical and human environments of each of the major world regions, including the joint interaction of environmental, historical, and cultural processes in development, globalization, and the impact of humans on the biosphere. 3 lecture hrs/wk.

GEO 206: Geography of Oregon (3)
An introduction to the environment and society of Oregon. Explore the diversity of physical regions, climates, biogeographic regions, history, demographic structure, economy, and politics in Oregon. 3 lecture hrs/wk.
GER - GERMAN

GER 101, 102, 103: First-Year German (4, 4, 4)
Survey of German grammar with the aim of mastering all the grammatical forms. Development of speaking ability. Reading and understanding of simple texts. Must be taken in sequence, but entrance permitted at any level. Recommended Prerequisite: WR 095 with a grade of C or better or Compass placement test scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores or 85 or above in Reading. 4 lecture hrs/wk. F, W, S (Not offered 2012-2013)

GER 201, 202, 203: Second-Year German (4, 4, 4)
Systematic discussion of selected grammatical difficulties. Intermediate composition. Reading and discussion of contemporary literary texts. Studies German-speaking countries in general, their people and customs, and their cultural contribution to the Western Hemisphere. Prerequisite: GER 103 or equivalent. 4 lecture hrs/wk. F, W, S (Not offered 2012-2013)

GER 211, 212, 213: Conversational German (3, 3, 3)
Continuation of the audio-lingual method of GER 201-3. Review of grammar patterns. Expansion of conversational and written skills plus vocabulary through oral discussion and written exercises. Writing German essays on historic and current issues in Germany. Reading and discussion of selected German literature. Participate in community activities with students in GER 101-203. Prerequisite: GER 203 or equivalent. 3 lecture hrs/wk. F, W, S (Not offered 2012-2013)

GS - GENERAL SCIENCE

GS 104: Physical Science (4)
Elementary concepts of physics including motion, forces, energy and momentum, and thermodynamics. Should not be taken for credit if student has completed six or more hours of college-level courses in physics. Registration-Enforced Prerequisite: MTH 060. 3 lecture, 3 lab hrs/wk. S

GS 105: Physical Science (4)
Elementary concepts of chemistry including atomic structure, bonding, states of matter, solutions, and chemical reactions. Should not be taken for credit if student has completed six or more hours of college-level courses in chemistry. Registration-Enforced Prerequisite: MTH 060. 3 lecture, 3 lab hrs/wk. W

GS 106: Physical Science (4)
Elementary concepts of earth science including rock and mineral formation, plate tectonics, earthquakes, volcanoes and other surface processes. Should not be taken for credit if student has completed six or more hours of college-level courses in geology. Registration-Enforced Prerequisite: MTH 060. 3 lecture, 3 lab hrs/wk. F

GS 107: Beginning Astronomy (4)
Introductory course in Astronomy for non-science majors featuring the scientific method; study of planetary and lunar motion including phases of the moon and eclipses; the sun, moon, planets, asteroids, comets, and meteors. Students will learn about the night sky and constellations; formation and destruction of stars; our galaxy and other galaxies; and cosmology. Broadband internet access is highly recommended. 3 lecture, 3 lab hrs/wk. Su, F

GS 113: Introduction to Geology (3)
A survey course providing a comprehensive study of the Earth’s physical processes and properties, with emphasis on understanding the scientific theories behind geological principles. Both dramatic forces - volcanic activity and earthquakes - as well as more subtle forces of the natural geological process are presented to make apparent the connection between human activity and geologic change. 3 lecture hrs/wk. W

GS 147: Introduction to Oceanography (3)
A survey course introducing the origin and development of the oceans, marine geology and its effect on life in the seas. Discusses waves, tides, currents, and their impact on shorelines, the ocean floor, and basins. Examines physical and chemical processes as they relate to oceanographic concepts. This includes plate tectonics, ocean circulation, properties of seawater, sedimentation, marine ecosystems and climate effects. 3 lecture hrs/wk. W - alternate years

GT - GREEN TECHNOLOGY

GT 101: Introduction to Industrial Sustainability (3)
Students explore a broad overview of sustainability and environmental engineering. Students learn the principles, concepts, and technology of alternative resources including power production by wave energy, wind energy, solar energy, hydrogen-fuel devices and other emerging alternative power generation systems. Students learn the basics of sustainability in an industrial context, including energy conservation, waste reduction and preventive maintenance. 3 lecture hrs/wk. W

GT 102: Green Industrial Safety (2)
Students learn the essential skills needed to develop and maintain safe work habits in various industrial workplaces following OR-OSHA guidelines, including general accident prevention. Students demonstrate safe use of tools/equipment commonly found in a variety of manufacturing and construction industries. Emphasis will be put on safety procedures leading to sustainable practices and results. Registration-Enforced Prerequisite: GT 101. 2 lecture hrs/wk. W

GT 103: Mechanical Systems (3)
This course focuses on learning the fundamentals of mechanical power. Students learn common mechanical components from nuts and bolts to gears, gear boxes, shafts and bearings. Students perform common mechanical tasks, and learn to fine tune drive systems involving belts, chains, etc. This course demonstrates the importance of lubrication in maintaining gears and other movable parts, and emphasizes operations to reduce friction and wasted motion, which are major contributors to energy inefficiency. Registration-Enforced Prerequisite: GT 101. 2 lecture hrs/wk. W

GT 104: Electrical Systems Troubleshooting I (3)
This course covers information on basic DC and AC electrical theory, definitions, basic component identification and analysis of series, parallel and combination circuits. Emphasis is placed on practical application, troubleshooting and problem solving. Students learn to troubleshoot common electrical problems in industry, such as low voltage, high voltage, open circuits, high resistance shorts to ground and current/voltage unbalance. Emphasis is on prevention of electrical energy waste. Registration-Enforced Prerequisite: GT 101. 2 lecture, 1 lab hrs/wk. W

GT 105: Workplace Math/Applied Math (4)
This is an introductory algebra and geometry class in technical/professional mathematics. Topics covered include measurement and conversions, signed numbers, algebraic equations and formulas, ratio and proportion, perimeters, areas, volumes, reading and interpreting graphs, and measures of central tendency. Registration-Enforced Prerequisite: MTH 020 with a grade of C or better, placement test score or instructor permission; and GT 101. 4 lecture hrs/wk. W

GT 106: Introduction to Green Technologies (2)
Students will be introduced to economic and environmental considerations for selecting appropriate green technologies and techniques to compare technology options. Technologies in the areas of energy production, transportation, electrical systems, building systems, and agriculture will be examined. Emphasis will be on identifying and selecting appropriate and cost-effective tools and technology solutions across multiple industries and sustainable decision-making. Registration-Enforced Prerequisite: GT 101. 2 lecture hrs/wk. W
GT 107: Electrical Systems Troubleshooting II (3)  
This course covers the theory and application of magnetism, electromagnetism, the generation of electromagnetic force, AC and DC motor principles, transformer theory, types and applications. Students are introduced to electrical control circuits and the operation of a transistor. Students build on basic techniques and learn systematic troubleshooting methods and procedures to solve process problems. Analyzing motor control schematics and using advanced digital multi meters are stressed. Emphasis is on prevention and correction of energy wasting problems.  
Registration-Enforced Prerequisite: GT 104. 2 lecture, 3 lab hrs/wk. S

GT 108: Building Systems (2)  
Students learn basic principles of building science to assess building energy efficiency and monitor health and safety conditions, with an emphasis on a system analysis approach to inspection. Inter-connected system analysis includes the building’s envelope, foundation, walls roof, doors and windows. Students learn how to use diagnostic equipment to analyze the effectiveness of the building systems to maximize energy performance, comfort, efficiency, safety and durability. Students will learn about using the HVAC ducting and digital controls (DDC) system as an aid in troubleshooting and promoting energy efficiency, and indoor air quality.  
Registration-Enforced Prerequisite: GT 101. 1 lecture, 2 lecture/lab hrs/wk. S

GT 109: HVAC Systems Operations (3)  
Students will learn the concepts of the basic operations of various heating and cooling systems for commercial and residential applications. This course focuses on maintenance and service procedure for initial tuning of HVAC systems for energy efficiency. Practical application of skills include: taking pressures, identifying refrigerants, recovering and recycling refrigerant, evacuating and charging refrigeration systems. Also included are all applicable safety precautions and EPA governed environmental regulations. Energy efficiency will be emphasized.  
Registration-Enforced Prerequisite: GT 101. 2 lecture, 3 lab hrs/wk. S

GT 110: Workplace Communications (3)  
Students will practice small group communication by participation in group discussions, readings, and written exercises.  
Registration-Enforced Prerequisite: GT 101. 3 lecture hrs/wk. S

GT 111: Maintenance/Energy Conservation (2)  
Examines the development and implementation of a preventative maintenance program using proven actions and procedures and common computer software. Students will learn how to design, construct, and maintain industrial transfer systems. The emphasis of this course is the application of preventive maintenance strategies to green technology and efficiency.  
Registration-Enforced Prerequisite: GT 101. 2 lecture hrs/wk. Su

GT 112: Control Systems (3)  
Students will learn fundamentals of programmable logic control (PLC) operation, and troubleshooting. Variable speed drive operation and programming is covered as are process control principles for temperature and flow. Emphasis is on understanding of control operations for efficiency. This course will utilize online training and a hands-on seminar to offer hands-on learning opportunities.  
Registration-Enforced Prerequisite: GT 101. 2 lecture, 3 lab hrs/wk. Su

GT 113: Fluid Power (3)  
This course introduces hydraulic schematics, troubleshooting common hydraulic problems and maintaining hydraulic systems used in a variety of production applications. It also introduces operating a pneumatic system, including maintenance and troubleshooting procedures. Students learn to read, interpret, and construct fluid systems schematic diagrams containing pneumatic and hydraulic component systems. Emphasis will be on the operation of fluid power systems for energy savings and pollution controls.  
Registration-Enforced Prerequisite: GT 101. 2 lecture, 2 lecture/lab hrs/wk. Su

GT 114: Local Applications/Alternative Energy (3)  
This course is an introduction to the basic concepts and terminology of alternative energy sources. Subjects that will be explored in this course are biodiesel, wind, solar cells, fuel cells, ocean wave, geothermal, hydrogen, connection to the grid (homeowners), electric vehicles, as well as other emerging types of energy production. Research into old technologies as well as new will be explored, and students will research the applications of alternative energy in their local/regional communities and economies, including opportunities for employment.  
Registration-Enforced Prerequisite: GT 101. 3 lecture hrs/wk. Su

GT 115: Human Relations/Customer Service (3)  
This course is designed to enable students look at many factors that influence human behavior and to help students increase their ability to handle interpersonal conflicts effectively at work and in their personal lives.  
Registration-Enforced Prerequisite: GT 101. 3 lecture hrs/wk. Su

HD - HUMAN DEVELOPMENT

HD 100: College Success (1-3)  
This course is designed for students who are just starting college. Its aim is to provide learner-centered instruction in strategies for achieving success for college, and in life. Topics include decision-making, discovering one’s personal identity, goal setting, time management, memory strategies, study skills, diversity, communication, use of resources, taking responsibility, and other skills that will allow students the opportunity to thrive in the culture of college. This course is a combination of lecture and workshop. In-class participation is an integral part of the format. Students will practice skills and techniques and receive instructor and peer feedback for self improvement.  
Instructor approval required for variable credit only. 1-3 lecture hrs/wk. F, W, S, Su

HD 101: SSS Planning College Finances (1)  
Explores issues involved in creating a personal plan for financing higher education. Includes types of financial aid, scholarship searching, student loans, financial planning, and financial decision-making strategies. Students must be enrolled in the Student Support Services program to enroll.  
1 lecture/hr/wk. S

HD 110: Career Planning (1-2)  
This course is designed to expose students to a wide variety of today’s career choices. We will explore the availability of community resources and support systems, create awareness of UCC programs and services, learn skills in self-assessment, career materials and research, develop effective job search techniques, and assist in the development of a comprehensive career plan.  
1-2 lecture hrs/wk. Instructor approval required. (Pass/Fail grade for 2 credits; standard grade for 1 credit) F, W, S

HD 114: Life Planning (2)  
Designed to expose students in transition to new ways of seeing themselves and their world, to develop an awareness of their previously unrecognized capabilities, and provide them self-esteem building skills.  
2 lecture hrs/wk.

HD 118: Test Taking Strategies/Overcoming Test Anxiety (1)  
Designed to help students develop more efficient methods of preparing for tests and more effective ways for reducing test anxiety. Emphasis will be on developing an organized system for taking tests and will focus on learning by practice and feedback.  
10 lecture hrs in 3 weeks. F, W, S

HD 119: Note Taking/Text Book Reading (1)  
Designed to help students develop more efficient and organized methods of taking notes and reading textbook material.  
10 lecture hrs in 3 weeks. F, W, S

HD 120: Creative/Critical Thinking (1)  
Designed to help students develop the ability to create new knowledge and thoroughly examine the information and ideas. This course emphasizes learning through active critical thinking exercises and creative problem-solving.  
10 lecture hrs in 3 weeks. F, W, S
HD 121: Time Management/Stress Management (1)
Designed to help students develop essential time management skills and learn strategies for dealing with stress situations often experienced while attending college. 10 lecture hrs in 3 weeks. F, W, S

HD 122: Learning Styles/Memory Strategies (1)
Designed to help students identify and explore various learning styles and determine their individual learning preferences. This course also provides instruction in various memory-enhancement techniques which students will adapt to their unique learning style. 10 lecture hrs in 3 weeks. F, W, S

HD 136: Strategies for Success (3)
This course is designed to help students create greater success in college and in life. Students will explore empowering strategies by writing a guided journal, participating in small group and class activities, and completing a final course project. Making these strategies their own through application, they will have the ability to improve the outcomes of their lives academically, professionally, and personally. 3 lecture hrs/wk. F, W, S

HD 202: Life Transitions (3)
Designed to explore the impact of life changes on an individual, to develop healthy coping skills, and to remove barriers blocking the way to positive life changes. 3 lecture hrs/wk.

HD 208: Career and Life Planning (3)
Career Planning is designed to help students make occupational decisions based on self-evaluation and on information and analysis of current career information. Career planning is an ongoing process not a one-time decision. This class will focus on the development of a “Life Plan,” an integration of information about you and your life goals, and which careers are suitable for this plan. People in the class are at various stages of career planning, some are taking initial steps in the process while others have a solid plan in place. Prerequisite: RD 080, WR 095. 3 lecture hrs/wk. F, W, S

HD 208A: Career and Life Planning – Self Assessment (1)
The purpose of this class is to help students in making occupational decisions based on the self-evaluation process. Students will utilize the results of personal evaluation tools such as preference tests, interest surveys, skills assessments, and values clarification exercises to analyze career choices.
1 lecture hr/wk. F, W, S

HD 208B: Career and Life Planning – Research Work World (1)
This course provides tools needed to make informed career decisions. Students will learn how to locate occupational information, conduct informational interviewing and analyze labor market information.
1 lecture hr/wk. F, W, S

HD 208C: Career and Life Planning – Decision Making (1)
In this course students will explore methods of decision-making and apply them to the career and life planning process. Students will evaluate their risk taking style as well as potential barriers (real and perceived) as related to the career planning process. Students will establish short- and long-term goals as related to career. Personal and work ethics will be examined. Integration of these concepts will be utilized to develop a career action plan.
1 lecture hr/wk. F, W, S

HD 214: Transition to University (1)
For Transfer Opportunity Program students planning to transfer to a four-year college or university, this course will prepare students to make a successful academic and personal transition from the community college to the four-year college or university as well as provide survival skills for success.
1 lecture hr/wk. Transfer Opportunity Program students only. F, W
HS 102: Addiction Pharmacology (3)
An overview of drug use, misuse and addiction, including drug chemistry, physiological effects upon the body and specific treatment formats and techniques. Consideration of current drug use and the psychological/behavioral aspects of client misuse and addiction will be examined along with the impact of culture and genetics. This class is accepted by ACCBO to meet certification requirements for alcohol and drug counselors. (Formerly titled Psychopharmacology) (Not recommended for first-year students.)
3 lecture hrs/wk. F

HS 107: Gerontology (3)
An introduction to the field of working with the elderly. The course of study is conducted from a strength-based case management perspective. Factors in a client’s life that promote successful aging or that causes problems will be examined in order to more effectively empower and help them meet their immediate and long-term needs. Hospital discharge planning, home health, considerations regarding assisted-living or nursing home care will be explored as well as hospice care.
3 lecture hrs/wk. S

HS 144: Creating Effective Programs (1)
Developing, maintaining, evaluating, and sustaining effective service delivery programs. The use of evidence-based practices from identification and implementation through fidelity evaluation will be included. Students will be exposed to various “logic” models for planning and evaluating programs.
1 lecture hrs/wk. W

HS 146: Values Clarification I (3)
This course helps the student examine beliefs, attitudes, and values behind decisions and actions. The student will examine whether behavior matches stated beliefs, evaluate the consequences of choices and develop a process that will enable the development of personalized values.
The course is offered through community partnership only.
3 lecture hrs/wk.

HS 147: Cognitive Behavioral Decision Making I (3)
The course helps students develop an awareness of their personal decision-making style. Students will be taught how to consider the costs and benefits of changing their behavior, how behaviors become habits, and how to recognize high-risk things that lead to trouble for them. This course encourages the practice of different decision-making styles to make effective life choices in personal, social, or work settings.
The course is offered through community partnership only.
3 lecture hrs/wk.

HS 150: Personal Effectiveness for Human Services Workers (3)
This course develops knowledge and skills to improve personal effectiveness. Readings, surveys, interviews, and in-class exercises to improve skills in self-awareness, values clarification, individual working and communication styles, conflict resolution, and problem-solving strategies.
3 lecture hrs/wk. F, W

HS 154: Community Resources (3)
An overview of the diversified field of human services via classroom presentations and field trips to local human services agencies/organizations in order to understand their purpose and philosophy, scope of services, methods of operation, funding services, populations served, and career opportunities.
3 lecture hrs/wk. W, S

HS 155: Counseling Skills I (3)
This course will provide students with theoretical knowledge and interviewing skills required of human service workers in a variety of work settings including substance abuse counselors. Students will learn the basic processes used for information gathering, problem-solving, and information or advice giving. They will learn about and practice the skills associated with conducting an effective interview. Students will be sensitized to the issues common to interviewing people of differing cultural backgrounds.
This class is accepted by ACCBO to meet certification requirements for alcohol and drug counselors. (Formerly titled Interviewing Theory and Techniques.)
3 lecture hrs/wk. W

HS 205: Treatment of Addiction (3)
Recognizing, understanding and intervening with substance abuse and dependency. Content includes risk/protective factors, behavioral patterns, screening/assessment tools, and the impact of co-occurring disorders related to substance abuse. Also covered are medical aspects of addiction, disease concepts of addiction, health issues, triggers of addiction, and relapse prevention. The course is offered through community partnership only.

HS 211: HIV/AIDS & Other Infectious Diseases (2)
The epidemiology of IV/AIDS, hepatitis, tuberculosis, and sexually transmitted diseases that frequently infect people who use drugs or who are chemically dependent. Students will evaluate prevention strategies, risk assessment protocols, harm reduction methods, and treatment options. The legal and policy issues that impact infected individuals as well as the larger community will be explored. This class is accepted by ACCBO to meet certification requirements for alcohol and drug counselors.
2 lecture hrs/wk. S

HS 217: Group Counseling Skills (3)
An introductory course designed to prepare students to describe, select, and appropriately use strategies from accepted and culturally appropriate models for group counseling with clients having a variety of disorders including substance abuse. This course is accepted by ACCBO to meet certification requirements for alcohol and drug counselors.
3 lecture hrs/wk.

HS 226: Ethics and Law (3)
How to deal with and apply ethical and legal standards. Federal and state laws and regulations that apply to the field of human services and substance abuse treatment. This class is accepted by ACCBO to meet certification requirements for alcohol and drug counselors.
3 lecture hrs/wk.

HS 227: Understanding Dysfunctional Families (3)
Dynamics of dysfunction in family systems. Students will engage in class discussion, research, and perform skills necessary to recognizing the symptoms of family dysfunction, intervention strategies, and local community resources to assist families with whom they may be working.
3 lecture hrs/wk. F, W

HS 229: Crisis Intervention and Prevention (3)
Crisis counseling, early intervention, and nonphysical methods for preventing or controlling destructive behavior. How to recognize an individual in crisis, assess their needs, and prevent an emotionally or physically threatening situation from escalating.
3 lecture hrs/wk. W

HS 246: Values Clarification II (3)
This course is an advanced version of HS 146 Values Clarification I and takes the next step in helping students examine beliefs, attitudes, and values behind decisions and actions. Students will examine whether behavior matches stated beliefs, evaluate the consequences of choices and develop a process that will enable the development of personalized values.
The course is offered through community partnership only.

HS 247: Cognitive Behavioral Decision Making II (3)
This course is an advanced version of HS 147 Cognitive Behavioral Decision Making I and takes the next step in helping students develop an awareness of their personal decision-making style. Students will be taught how to consider the costs and benefits of changing their behavior, the stages of change, how behaviors become habits, and how to recognize high-risk things that lead to trouble for them. This course encourages the practice of different decision-making styles to make effective life choices in personal, social, or work settings.
The course is offered through community partnership only.
HS 265: Counseling Skills II (3)
This course builds on the skills covered in HS 155: Counseling Skills I. In addition to reviewing the basic processes and skills used for interviewing clients, students will explore and practice new technical skills. These include the skills of confrontation, focusing the interview, eliciting and reflecting meaning, strategies for change, skill integration, and determining personal style. Cross-cultural counseling issues will also be included. (Formerly titled Casework Interviewing.) Prerequisite: HS 155 or Instructor approval.
3 lecture hrs/wk. W

HS 266: Case Management for Human Service Workers (3)
Concepts, ideas, and skills necessary to effectively work as a case manager for any human services delivery program. Identifying participant (client) strengths and strategies for the case manager to provide an environment for change that encourages movement from one stage into another is the primary focus of the course. Classroom practice in all areas of case management will allow for student skill development. (Not recommended for first-year students.) 3 lecture hrs/wk. W

HS 267: Cultural Competence in the Human Services (3)
Understanding how cultural differences impact service delivery in human service programs. Personal, community, and institutional bias will be discussed. Practice in delivery and adoption of counseling strategies cross-culturally will be included. 3 lecture hrs/wk. F, S

HS 280: Cooperative Work Experience: Human Services (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 11 credits per year. Registration-Enforced Prerequisite: Instructor approval.
3-39 lab hrs/wk. 1 credit = 33 hours of lab.

HST - HISTORY

HST 104: World History (3)
The emergence of organized civilizations in Europe, the Near East, Asia, the Americas, and Africa. The growth of complex civilizations, the rise to predominance and decline of major civilizations. 3 lecture hrs/wk. F

HST 105: World History (3)
Focuses on the world after 1300. Study of the Renaissance, Reformation, new political and economic developments in 17th and 18th centuries; commercial and cultural developments in Europe, India, Japan, Africa, the Americas, and China. 3 lecture hrs/wk. W

HST 106: World History (3)
The growth of the early modern world focusing on the impact of new forms of government and the emergence of a technological world. An examination of political revolutionary events, nationalism and colonialism. A review of the world at war, the late 20th and early 21st centuries, and the prospects for the future. 3 lecture hrs/wk. S

HST 201: History of United States (3)
The American heritage; European colonization; the Colonial Period and internal development; the American Revolution, early national period. 3 lecture hrs/wk. F

HST 202: History of United States (3)
The American Nation; problems, turmoil, and the Civil War; Reconstruction; America reshaped by industrial development, imperial foreign policy, and domestic era of progress. 3 lecture hrs/wk. W

HST 203: History of United States (3)
America in the 20th Century; World War I & II, the Depression, the Cold War, domestic change and Asian war in the 1960s, the politics of the 70s and 80s, and the international role of the U.S. since 1945. 3 lecture hrs/wk. S

J - JOURNALISM

J 205: Introduction to Public Relations (3)
An introductory course in the theory and practice of Public Relations as a function of modern business, industry and government. Emphasis is on research and program development which utilizes public opinion, persuasion and media relations techniques in helping organizations deal with the various public to which it must respond. Recommended Prerequisites: WR 095 with a grade of C or better or Compass placement scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores of 85 or above in reading. 3 lecture hrs/wk.

J 211: Introduction to Mass Communication (3)
Survey of news and opinion media; how the media functions; rights and responsibilities, problems, and criticism; effects of media on society; relation of advertising to media and society; propaganda and the media. 3 lecture hrs/wk. S

J 215: Journalism Production (1-3)
Provides students with practical experience in the production of print media. Experiences may include editorial, photojournalism, or web advertising, and/or graphic design aspects of the student newspaper. Variable credit granted by the instructor depending upon each student’s production. 3-9 lab hrs/wk. F, W, S

J 251: Writing for the Media (3)
Introduction to the process and practice of writing for mass media channels. Discussion of rights and responsibilities of the public communicator. 3 lecture hrs/wk. F

J 280: Cooperative Work Experience: Journalism (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval.
1 credit = 33 hours of lab.

LA - LEGAL ASSISTANT/PARALEGAL

LA 100: Legal Procedures I (4)
Introductory course focusing on the roles and duties of legal support personnel and administrative procedures specific to law offices. Students will explore legal office careers, learn legal terminology, and learn about the attorney/client relationship. Students will begin formatting pleadings, correspondence, and other legal instruments with emphasis on correct formatting by applying Oregon Revised Statutes (ORS) and Supplemental Local Court Rules (SLCR). Instructor enforced prerequisites: Working knowledge of MS Word, accurate keyboarding speed of 45 wpm. Registration-Enforced Prerequisite: placement test scores into WR 121 or instructor permission. Registration-Enforced Co-requisite: LA 102.
4 lecture hrs/wk. F, W

LA 101: Introduction to Paralegal Studies (3)
An introductory course into the roles and duties of paralegals including regulations of the legal professional, law office management, human relations issues, legal terminology, techniques of interviewing, tracking billable hours, and methods of discovery. This course will cover formatting legal pleadings and case briefing according to state and local court rules. Registration-Enforced Prerequisites: LA 100 with a grade of C or better.
3 lecture hrs/wk. W, S
LA 102: Legal Terminology (3)
This course emphasizes developing an understanding of legal terminology through study in all areas of law and an application of legal terminology in many different ways. Focus will be on legal definitions, usages, spelling, and pronunciation to help students appropriately speak and apply appropriate legal terminology. 3 lecture hrs/wk. F, W, Su

LA 105: Civil Procedure (3)
This course will focus on various stages of the civil litigation process, including the initial client interview, process leading to the filing of a civil lawsuit, its resolution by settlement or trial, and a brief overview of the appellate process. Emphasis will be on the actual preparation of the documents, with a major focus on the discovery phase of the civil litigation process. This course will demonstrate how each stage of civil litigation builds, relates to, and is dependent upon the others. Registration-Enforced Prerequisites: LA 101 and LA 128 with a grade of C or better. 3 lecture hrs/wk. F, W, Su

LA 128: Legal Procedures II (4)
This is a transcription course to help students learn the importance of correctly preparing legal documents by applying Oregon Revised Statutes (ORS) and Supplemental Local Court Rules (SLCR). Registration-Enforced Prerequisites: LA 100, OA 128, and LA 102, all with a grade of C or better. 2 lecture, 4 lecture/lab hrs/wk. W, S

LA 132: Ethics for Legal Professionals (3)
This course covers the study of ethics as it relates to the legal profession. Students will study the concepts of “ethics” and “being ethical”, explore the differences between morality and rules of ethics, and study the rules of professional responsibility as they pertain to legal support staff (and lawyers). Discussions and opinions of ethical issues in real-world situations will help facilitate the learning process on this topic. Students will enhance their legal vocabulary as it is used in ethics and study the Oregon Rules of Ethics and their practical application. Registration-Enforced Prerequisites: LA 101 and LA 128, all with a grade of C or better. 3 lecture hrs/wk. F, W, Su

LA 204: Legal Research and Writing I (3)
This is an introductory course into legal research and writing. Focus will be on identifying basic principles of legal research and performing legal research using various tools including LexisNexis. Students will identify sources of law and be able to validate research by appropriate citation. Registration-Enforced Prequisite: LA 105 with a grade of C or better. 3 lecture hrs/wk. F

LA 205: Legal Research and Writing II (3)
This is an advanced course building on Legal Research and Writing I, covering realistic research and writing exercises using LexisNexis as the primary search tool. Focus will be on writing memorandum of law, persuasive writing, writing motions, and legal correspondence. Registration-Enforced Prerequisite: LA 204 with a grade of C or better. 3 lecture hrs/wk. W

LA 208: Family Law (3)
This course will explore the social philosophy and laws governing domestic relations. Students will discuss court jurisdiction, pleading and practice before juvenile and domestic courts, and law office management of domestic relations cases. Registration-Enforced Prerequisite: LA 105 with a grade of C or better. 3 lecture hrs/wk. F

LA 210: Wills, Probate, and Estates (3)
This course provides an introduction to estates, trusts, probate, and the laws of testate and intestate succession. Students will examine procedures in probate court, including opening, administration, and closing of probate estates. Students will also identify the various tax laws governing trust estates and the passing of estate property through probate proceedings. Registration-Enforced Prequisite: LA 105 with a grade of C or better. 3 lecture hrs/wk. F

LA 217: Real Estate Law (3)
This course introduces the principles of business law as applied to real estate. The topics covered include ownership rights and limitations, transfer and reservation of ownership rights, brokerage relationships, laws of agency, contracts, fair housing, owner/tenant relationships, and other topics illustrated by case law and practice. Registration-Enforced Prerequisite: LA 105 with a grade of C or better. 3 lecture hrs/wk. W

LA 222: Contract Law (3)
This course is intended to provide an in-depth exposure to and analysis of law pertaining to contract information and the resolution of contract disputes. Students will study and analyze Article 2 and 2A of the Uniform Commercial Code. Registration-Enforced Prerequisites: BA 226 and LA 105, all with a grade of C or better. 3 lecture hrs/wk. S

LA 224: Torts Pleading and Practice (3)
This course introduces the theory and practical application of the law of torts. Students will learn torts through study of the elements of the different causes of action. The fundamentals of drafting legal documents normally associated with torts are addressed with application of state and local rules of civil procedure. Registration-Enforced Prerequisite: LA 105 with a grade of C or better. 3 lecture hrs/wk. W

LA 226: Criminal Law for Paralegals (3)
This course introduces criminal law and procedure with an emphasis on the legal assistant’s role in the criminal justice system. Students will learn procedural rules, including the right to counsel, search and seizure, interrogation, and self-incrimination. This course will also cover the stages of prosecution, pre-trial motions, jury selection, document preparation, trial practice, verdict, sentencing and judicial review, and sources of criminal law. Registration-Enforced Prerequisite: LA 105 with a grade of C or better. 3 lecture hrs/wk. S

LA 230: Elder Law (3)
Students will learn the legal aspects of aging and disability, covering the areas of advance directives, wills, conservatorships and guardianships. Special attention is focused on patients’ rights in healthcare decision-making and the programs of Social Security, Medicare and Medicaid. Students will also develop an understanding in the subjects of age discrimination, diseases of aging, financial and physical abuse of the elderly, managed care, long-term care insurance, living facilities for the elderly, and financial planning for aging and elderly clients. Registration-Enforced Prerequisite: LA 210 with a grade of C or better. 3 lecture hrs/wk. S

LA 280: Cooperative Work Experience: Legal Assistant (1-8)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab. F, W, S, SU (A maximum of 8 credits may be applied towards a Paralegal Associate Degree.)

LIB: LIBRARY

LIB 127: Library and Internet Research (3)
This course is designed to introduce students to current resources in the academic library, to enhance students’ research skills and effectiveness for higher level college library applications, and to promote life-long information literacy across disciplines. Upon successful completion of this course students will become acquainted with the library, learn common research strategies, efficiently search library catalogs and online resources to locate materials both locally and remotely, understand the basics of evaluating online information in the academic setting, and explore how current technologies affect their lives as participants in the growing social framework of digital information. Students will also learn how to use basic citation styles in their own research. Registration-Enforced Prerequisite: WR 115 or higher. 3 lecture hrs/wk. Online only: F, W, S
MED 110: Health Informatics Technology (4)
Introduces the concepts of health information management and health informatics including the components of content, use of the structure of healthcare data along with information keeping practices in both paper and electronic systems. Registration-Enforced Prerequisite: CIS 120 or instructor approval. 4 lecture hrs/wk W

MED 111: Medical Terminology I (3)
Medical Terminology I is the first course in a two-course sequence designed to introduce students to medical terminology through the study of medical word roots, prefixes, and suffixes within the context of body systems. Students will also learn abbreviations as well as pathology and procedure terminology within the context of body systems. Focus is placed on constructing words and defining words given the word elements. 3 lecture hrs/wk F, W, S, Su

MED 112: Medical Terminology II (3)
Medical Terminology II is the second course in a two-course sequence designed to introduce students to medical terminology through the study of medical word roots, prefixes, and suffixes within the context of body systems. Students will also learn abbreviations as well as pathology and procedure terminology within the context of body systems. Focus is placed on constructing words and defining words given the word elements. Registration-Enforced Prerequisite: MED 111 with a grade of C or better. 3 lecture hrs/wk F, W, S, Su

MED 114: Medical Coding for the Physician's Office (3)
This course covers theoretical and practical fundamentals of outpatient billing, including Current Procedural Terminology (CPT), International Classification of Diseases, 9th or 10th Revision, Clinical Modification (ICD-9 or ICD-10) and CMS Healthcare Common Procedural Coding System (HCPCS). Registration-Enforced Prerequisite: MED 111 with a grade of C or better. 3 lecture hrs/wk W

MED 115: Anatomy and Physiology for Medical Assistants (3)
This course includes basic concepts of anatomy and physiology, integrated disease-related information, clinical applications, and terminology. Students will gain in understanding of body structure and function and disease process as it relates to work in a clinic or doctor’s office. The course will cover recognition of systems and reporting criteria. Registration-Enforced Prerequisite: MED 111 with a grade of C or better. 3 lecture hrs/wk

MED 120: Math for Medical Assistant (3)
Math for the Medical Assistant is a MTH 060 level course designed to review mathematics and master the critical skills necessary to calculate drug dosages correctly. Topics include review of basic math, ratios and proportions, metric and apothecary measurements, how to read drug labels, and how to calculate drug dosages for oral and parenteral methods of administering. 3 lecture hrs/wk W, S, Su

MED 182: Health Care Delivery Systems (3)
Explains the past, present, and future influences on the delivery of health care. Covers provider organizations and settings in health care, financing of health care, causes and characteristics of health care utilization in the United States, regulation and monitoring of health care systems and ethical issues associated with health care technology. Registration-Enforced Prerequisite: CIS 120 or instructor approval. 3 lecture hrs/wk F

MED 220: Medical Office Procedures I (3)
The course is an introductory course in office procedures. Subjects taught include the medical office environment, current practices and problems, medical ethics and law, and patient relations and communications. Registration-Enforced Prerequisite or Co-requisite: MED 111. 3 lecture hrs/wk F

MED 221: Medical Office Procedures II (3)
This is an intermediate course in medical office procedures. Students are exposed to a variety of subjects, all of which pertain to medical assisting: medical records, drug and prescription records, health care reimbursement issues and regulations, and coding. Registration-Enforced Prerequisite: MED 220 with a grade of C or better. 3 lecture hrs/wk W, S

MED 222: Medical Office Procedures III (3)
Medical Office Procedures III is an advanced course designed to teach students the specialized administrative duties pertaining to a medical office. Emphasis will be placed on "front office" and billing duties using popular computer practice management software. Students will perform the full cycle of duties: schedule appointments, register patients, post procedures, bill insurance and patients, and post insurance and patient payments. Registration-Enforced Prerequisites: MED 221 with a grade of C or better, and CIS 120 or instructor permission. 2 lecture, 3 lab hrs/wk S, Su

MED 230: Health Insurance Concepts (3)
This course is designed to give students a good working knowledge of health insurance for medical offices and clinics, i.e., non-hospital settings. Topics include the CMS-1500 and the rules and regulations governing Medicare, Medicaid, Workers' Compensation, Blue Cross Blue Shield, and managed care programs. Registration-Enforced Prerequisite: MED 111. 3 lecture hrs/wk W

MED 231: Health Care Reimbursement and Collections (3)
This course provides students with health care reimbursement, accounting and collection processes for medical offices and clinics. Students will be presented with how to file insurance claims and what to do after the insurance. These topics include how to request an appeal or review, managing the accounts receivable and how to collect the balance due from the patient. Compliance and HIPAA regulations. Registration-Enforced Prerequisite: MED 230. 3 lecture hrs/wk

MED 232: Health Care Reimbursement and Collections (3)
This course provides students with health care reimbursement, accounting and collection processes for medical offices and clinics. Students will be presented with how to file insurance claims and what to do after the insurance. These topics include how to request an appeal or review, managing the accounts receivable and how to collect the balance due from the patient. Compliance and HIPAA regulations. Registration-Enforced Prerequisite: MED 230. 3 lecture hrs/wk

MED 260: Beginning Medical Transcription (3)
A beginning medical transcription course. The types of reports and medical specialties will vary. Students will be required to use correct punctuation and spelling as well as medical terminology to produce error-free documents. Students will begin using a variety of medical reference books. Registration-Enforced Prerequisites: OA 225, and MED 111, all with a grade of C or better. 1 lecture, 4 lecture/lab hrs/wk S

MED 261: Intermediate Medical Transcription (3)
An intermediate course requiring students to type from authentic doctor dictated material. Reports are of various types, various specialties, and various national and regional accents. Students will be required to do their own research using various medical references, thus preparing them for the often solo work of the medical transcriptionist. Registration-Enforced Prerequisite: MED 260. 1 lecture, 4 lecture/lab hrs/wk. May be taken as Independent Study
MED 283: Health Information Systems (4)
Health Information Systems introduces the history and current status of information systems in health care; information architectures, administrative and clinical applications, evidence-based medicine, information retrieval, decision support systems, security and confidentiality, bioinformatics, information system cycles, the electronic health record, key health information systems and standards, and medical devices. Teaches strategies and tools to insure the development and/or selection of health information systems. Discusses the role of healthcare information and communication technologies in healthcare delivery including their role in improving the quality, safety and efficiency of healthcare delivery. Registration Enforced Prerequisite: CIS 120 or instructor approval. 4 lecture hrs/wk. F

MED 285: Healthcare Financing and Compliance (3)
Provides an understanding of the essential components of financing and compliance in healthcare facilities. Registration Enforced Prerequisite: CIS 120 or instructor approval. 3 lecture hrs/wk. W

MFG - MACHINE MANUFACTURING TECHNOLOGY
MFG 104: Principles of Lean Manufacturing (1)
This course provides foundations and practices related to lean manufacturing and is targeted to employees of business, government, and agencies in this community that are interested in lean. Lean manufacturing processes address society's needs to maximize the use of resources in order to compete effectively in the global economy. Lean is a re-generation of Total Quality Management with new principles that use data for decision-making for system improvement. Instructor approval required. 1 lecture hrs/wk.

MFG 111: Machine Shop I (3)
Introduces the student to semi-precision and precision measuring and layout procedures, the use of bench tools, saws, drill presses and their accessories. Registration Enforced Prerequisite: MTH 052 or MTH 060. 6 lecture/lab hrs/wk.

MFG 112: Machine Shop II (3)
The student learns the operation of the turning lathe including setup, turning tapers, threads (National, Acme, Square) and forms. Use of accessories is stressed such as chucks, steady rests, follower rests and grinders. Registration Enforced Prerequisite: MFG 111. 6 lecture/lab hrs/wk.

MFG 113: Machine Shop III (3)
The student learns the operation of horizontal and vertical milling machines, their setup, basic operation and use of accessories such as digital readouts, rotary table, dividing head, gear and cam milling and the use of indicators, wigglers and edge finders. Registration Enforced Prerequisite: MFG 112. 6 lecture/lab hrs/wk.

MFG 121: Hydraulics I (3)
An introductory course covering the basic principles of hydraulics for the future industrial hydraulics technician. Included in the course are pressure, force and area relationships, HP, GPM, and velocity relationships, fundamentals of reservoir design, fluids and fluid flows, and fundamentals of hydraulic pumps. Common industrial circuits are developed and studied with the use of lab trainers. Students will disassemble, inspect, and reassemble both components and circuits in structured lab sessions. Registration Enforced Prerequisite: MFG 052 or MTH 060. 3 lecture hrs/wk.

MFG 122: Hydraulics II (3)
This is the second in a five-course series for the industrial apprentice and is a continuation of Hydraulics I. The focus is on pressure relief valves, hydraulic actuators and flow controls. Each component is studied in structured classroom sessions, while lab activities are directed at disassembly, inspection and circuitry involving the specific component. Students will be using lab trainers to examine the operation of circuits using these components. Registration Enforced Prerequisite: MFG 121. 3 lecture hrs/wk.

MFG 123: Hydraulics III (3)
This is the third in a five-course series for the industrial apprentice and is a continuation of Hydraulics II. Each student will study contamination control, hydraulic actuators, flow controls, and hydraulic accessories. Circuits using these components are fabricated, discussed, and studied during structured lab sessions. Registration Enforced Prerequisite: MFG 122. 3 lecture hrs/wk.

MFG 124: Hydraulics IV (3)
This is a continuation of Hydraulics I, II, and III with an emphasis on the symbols, hydraulic schematics, and troubleshooting of hydraulic circuits. The class will be divided into two different sessions. The first session will be devoted to studying symbols and schematics, while the second session will work with circuits on lab trainers. Specific class sessions will be devoted to developing the skills and knowledge necessary to successfully pass the National Fluid Power Certification Exam. Registration Enforced Prerequisite: MFG 123. 3 lecture hrs/wk.

MFG 125: Hydraulics V (3)
This is the fifth course in a series for practicing industrial maintenance millwrights desiring instruction in industrial hydraulics. This course is an introduction to proportional and servo valves used in modern hydraulic systems. Students will work with simulators, lab trainers, program cards and related hydraulic and electronic components. Because an understanding of electricity and basic electronics is needed in this course, two sessions will be devoted to the study of these concepts using electrical training simulators. Some diagnostic and troubleshooting skills relative to the adjustment and programming of both proportional and servo systems will be presented. Registration Enforced Prerequisite: MFG 124. 3 lecture hrs/wk.

MTH - MATHEMATICS
MTH 010: Math Skills (4)
Topics include operations on whole numbers, common fractions and decimal fractions. Students learn mathematical processes and thinking through applications. A small class size encourages individual attention and student interaction. Students learn through group work, discussions, and lecture. Successful completion prepares the student for MTH 020, Pre-Algebra. Registration Enforced Prerequisite: Placement test. 4 lecture hrs/wk. F, W, S, Su

MTH 020: Pre Algebra (4)
This course is a continued study of arithmetic concepts, as well as an introduction to algebra. Topics include basic operations with fractions, ratio and proportion, decimals, percent, integers and a brief look at algebraic expressions/equations. Problem solving is emphasized. Successful completion prepares the student for Math 060, Introduction to Algebra. Registration Enforced Prerequisite: MTH 010 with a grade of C or better or placement test. 4 lecture hrs/wk. F, W, S, Su

MTH 040, 041, 042: Math Skills Lab (1)
This course offers supplementary instruction to students enrolled in MTH 020 or MTH 060. Group tutoring and one-on-one tutoring will be used for individualized skill development. Upon completion of MTH 040 students may repeat the course up to two times by registering for MTH 041 and MTH 042. Prerequisite: Instructor’s Permission. 1 lecture hrs/wk.

MTH 052: Introduction To Algebra for the Trades (4)
This is an introductory algebra and geometry class in professional-technical mathematics. Topics covered include signed numbers, algebraic equations and formulas, ratio and proportion, perimeters, areas, volumes. This course does not serve as a prerequisite for MTH 065. Registration Enforced Prerequisite: MTH 020 with a C or better, placement test score, or instructor permission. 4 lecture hrs/wk.
Umpqua Community College
Sequence of Mathematics Courses
(students may begin in the course indicated by placement test scores)

Math Skills
MTH 10

Introduction Algebra
MTH 60

Elementary Algebra
MTH 65

Intermediate Algebra
MTH 95

Intro to Algebra For the Trades
MTH 52

Applied Geometry
MTH 75

Fund. Of Elem. Math
MTH 211, 212, 213

College Algebra
MTH 111

Intro To Contemporary Math
MTH 105

Calc For Social Science
MTH 241, 242

Trigonometry
MTH 112

Linear Algebra
MTH 261

Intro to Prob. & Statistics
MTH 243

Calculus I, II
MTH 251, 252

Calculus III
MTH 253

Vector Calculus
MTH 254

Differential Equations
MTH 256
MTH 060: Introduction to Algebra (4)
A first course in algebra for students who have no previous algebra experience or who need a thorough review. Introduces basic operations with integers, exponents, algebraic expressions, linear equations, geometry, interpreting graphs, ratio and proportion, realistic percent problems and other problems that lend themselves to one-variable solutions. Problem solving will be emphasized throughout the course. Registration-Enforced Prerequisite: MTH 020 with a C or better, placement test score, or instructor permission. 4 lecture hrs/wk. F, W, S

MTH 065: Elementary Algebra (4)
A course in algebra for a student who has familiarity with beginning algebra concepts. Includes factoring polynomials; graphing of linear equations; quadratic formula; realistic applications using one and two variables; introduction of geometry concepts that lend themselves to algebraic solutions with or without radicals; use of linear and exponential models to predict future events. Problem-solving will be emphasized throughout the course. Registration-Enforced Prerequisite: MTH 060 with a grade of C or better, placement test score, or instructor permission. 4 lecture hrs/wk. F, W, S

MTH 075: Applied Geometry (3)
Industrial applications of basic algebra and geometry. Emphasis on formulas, ratio-proportion, applied geometry, trigonometry, area, volumes. Registration-Enforced Prerequisite: MTH 052 or MTH 060 with a grade of C or better, placement test score, or instructor permission. 3 lecture hrs/wk. S

MTH 095: Intermediate Algebra (4)
A continuing algebra course. Topics include linear equations, algebraic fractions, fractional equations, polynomials, exponents, roots, radicals, quadratic equations, graphing, applications, functions, systems of equations, ratio-proportion. Registration-Enforced Prerequisite: MTH 065 with a grade of C or better, placement test score, or instructor permission. 4 lecture hrs/wk. F, W, S

MTH 105: Introduction to Contemporary Mathematics (4)
This course will present a variety of modern mathematical topics with both focus and motivation based on contemporary applications. The course is a transfer mathematics course designed for the liberal arts major. Topics will include mathematical models, collecting and graphing data, mathematics of finance, topics from geometry, exponential growth and decay, use of logarithms, topics from trigonometry, and descriptive statistics. Registration-Enforced Prerequisite: MTH 095 with a grade of C or better, placement test score, or instructor permission. 4 lecture hrs/wk. W, S

MTH 105T: Mathematics for Technology (4)
Industrial applications of basic algebra and geometry. Emphasis on formulas, ratio-proportion, applied geometry, trigonometry, area, volumes. Registration-Enforced Prerequisite: MTH 052 or MTH 060 with a grade of C or better, placement test score, or instructor permission. 3 lecture hrs/wk. S

MTH 110: College Algebra (4)
College Algebra is a study of functions and their uses. Basic features of functions - domain, graph and range - are emphasized. Several types of functions are discussed including polynomial, rational, exponential and logarithmic. Functions and their graphs are used to solve equations and inequalities. Additional topics include solving exponential equations with applications, solving systems of linear and nonlinear equations, and an introduction to matrices. Registration-Enforced Prerequisite: MTH 095 with a grade of C or better, placement test score, or instructor permission. 4 lecture hrs/wk. F, W, S

MTH 111: College Algebra (4)
The study of Trigonometry and its applications in the world around us. Topics include: trigonometric functions, radian measure, graphing of trig functions, solutions of right and oblique triangles, identities, conic sections, special formulas, inverse trig functions, polar coordinates, complex numbers, DeMoivre's Theorem. Instructor-Enforced Prerequisite: MTH 111 or equivalent with a grade of C or better, or instructor permission. 4 lecture hrs/wk. F, W, S

MTH 211: Fundamentals of Elementary Mathematics I (4)
The first of a three-term sequence of mathematics for prospective elementary and middle school teachers. Topics include: mathemathical patterns, problem solving, sets, natural numbers, whole numbers, one-to-one correspondence, numeration systems, tests of divisibility, prime and composite numbers, greatest common divisor, least common multiple, computer literacy activities, and elementary school activities in mathematics. Registration-Enforced Prerequisite: MTH 095 with a grade of C or better, placement test score, or instructor permission. 4 lecture hrs/wk. F
MTH 243: Introduction to Probability & Statistics (4)
Introductory course in probability and statistics, designed to acquaint the student with some basic theory and applications. Calculators will be used throughout the course. Basic topics include probability models, random variables, probability distributions, sampling distributions, descriptive statistics, and methods of estimation. Registration-Enforced Prerequisite: MTH 105 or above with a grade of C or better, or instructor permission. 4 lecture hrs/wk. W, S

MTH 251: Calculus I (4)
Differential calculus designed for students majoring in mathematics, science, and engineering. Topics include: limits, continuity, differentiation formulas, chain rule, implicit differentiation, applications including rates of change and optimization, curve tracing, and the mean value theorem. Registration-Enrolled Prerequisite: MTH 112 or with a grade of C or better, or instructor permission. 4 lecture hrs/wk. F, W

MTH 252: Calculus II (4)
Integral calculus designed for students majoring in mathematics, science and engineering. Topics include: integration, area and volume applications, transcendental functions, techniques of integration, average values, and exponential growth and decline. Registration-Enrolled Prerequisite: MTH 251 with a grade of C or better, or instructor permission. 4 lecture hrs/wk. W, S

MTH 253: Calculus III (4)
The third term in the calculus sequence designed for students majoring in mathematics, science, and engineering. Topics include: polar coordinates, parametric equations, surface area, sequences, indeterminate forms, improper integrals, and infinite series. Instructor-Enrolled Prerequisite: MTH 252 with a grade of C or better, or instructor permission. 4 lecture hrs/wk. S

MTH 254: Vector Calculus I (4)
The study of multivariate calculus with a vector approach. Topics include: vectors, vector calculus, functions of several variables, gradients, differentials, and multiple integration. Registration-Enrolled Prerequisite: MTH 252 with a grade of C or better, or instructor permission. 4 lecture hrs/wk. F

MTH 256: Differential Equations (4)
Methods of solving ordinary differential equations. Topics include: study of first, second, and higher order differential equations with applications. Registration-Enrolled Prerequisite: MTH 252 with a grade of C or better. 4 lecture hrs/wk. W

MTH 261: Linear Algebra (2)
This class is designed as a companion course to MTH 253 to satisfy entry requirements into Oregon State University’s School of Engineering, but can also be taken as an introduction to Linear Algebra. Linear Algebra deals with the study of linear systems, matrices and linear transformations. Topics include: the algebra of matrices, the systematic solution of linear systems by reduction methods, linear transformations and eigenvalues. Applications to various fields of interest will be emphasized throughout the course. Registration-Enrolled Prerequisite: MTH 111 with a grade of C or better, or instructor permission. 2 lecture hrs/wk. S

MTH 280: Cooperative Work Experience: Mathematics (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enrolled Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

MUP - MUSIC PERFORMANCE

MUP 101-292: Performance Studies (1-2)
Individual instruction in the performance techniques of voice, brass, woodwinds, piano, and strings. 100: Technical stylistic aspects of artistic performance; first level of lower division study for music majors. 200: Second level of lower division study for music majors. Special fee assessed. 1-2 lecture hrs/wk.

MUP 114: General Ensemble (1)
Formation of traditional chamber groups such as woodwind, quartet, quintets, brass ensemble, strings quartet, other duets and trios. Groups will meet weekly to rehearse and will give a concert at the end of each term. 2 lecture/lab hrs/wk. F, W, S

MUP 121: Symphonic Choir (1)
Symphonic Choir (Vintage Singers) is a small ensemble; entry is by audition with instructor. Students should have exceptional musical skills and considerable background in serious formal choral music. There are extra rehearsals and performances. 2 lecture/lab hrs/wk. F, W

MUP 151: Music Theatre (3)
The students perform in the cast of the Umpqua Community College summer musical. The student must participate as a singing cast member, as a principle character or member of the chorus. 6 lecture/lab hrs/wk. Su

MUP 171A, 171B, 171C - 192A, 192B, 192C
Performance Studies (1-2)
Individual instruction in the performance techniques of voice, brass, woodwinds, piano, and harpsichord. 100: Technical stylistic aspects of artistic performance; first level of lower division study for music majors. 200: Second level of lower division study for music majors. Special fee assessed. 1-2 lecture hrs/wk.

MUP 189A, 189B, 189C: Chamber Choir (Vocal Jazz Ensemble) (2)
Study of vocal jazz music. Entry by audition only. 6 lab hrs/wk. F, W, S

MUP 196A, 196B, 196C: Chamber Orchestra (1)
Rehearsal and performance of classical orchestra music. Open to strings; brass and woodwinds selected on basis of music to be performed. 2 lecture/lab hrs/wk. F, W, S

MUP 197A, 197B, 197C: Concert Choir (1)
Known as the UCC Chamber Choir, this group is for majors and non-majors in music and offers a varied selection of choral music experiences. Emphasis upon correct singing techniques and choral production. Entry by permission of the instructor. 3 lab hrs/wk. F, W, S

MUP 295: Jazz Band (1)
This band is open to students and community musicians. All types of jazz band literature will be rehearsed and performed, from swing to jazz-rock. By instructor approval. 2 lecture/lab hrs/wk. F, W, S

MUP 297A, 297B: Concert Choir (1)
Known as the Roseburg Concert Chorale, this group performs two major concerts each year, often in conjunction with other groups. 2 lecture/lab hrs/wk. F, W
MUS 100A, 100B, 100C Musical Fundamentals (3)
An introduction to the elements of music for the non-music major and pre-music major. The course includes music notation, scales, rhythm, ear training, and beginning piano. No previous musical training is required. 3 lecture hrs/wk. F, W, S

MUS 105: Introduction to Rock Music (3)
This course will examine the sociological and musical perspectives of the fifty years of rock music. The effects of rock music on our society, politics, and economics will be explored. The class will incorporate recorded and live music, videos, lecture, and group discussion. Students will be required to do reading, listening, and a significant amount of writing. This course meets Humanities requirements. 3 lecture hrs/wk.

MUS 111, 112, 113: Music Theory (3,3,3)
Basic theory. A study of patterns, melody, harmony, and form in music. Fundamental knowledge for composers and performers. Completing the two-year sequence satisfies the Theory requirement for music majors at all state colleges. Prerequisite: ability to play simple piano music from score. Class piano or individual piano lessons must be taken concurrently with Music Theory until adequate pianistic skills are acquired. Registration-Enforced. Co-requisite: MUS 114, 115, 116. 3 lecture hrs/wk. F, W, S

MUS 114, 115, 116: Aural Skills I (1,1,1)

MUS 117, 118, 119: Introduction to Music & Technology (2)
Music notation, arranging, recording through the use of MIDI, digital and analog synthesis. Students will learn how to notate publishing quality music manuscripts, to edit sound recordings and create sound in the digital environment. Minimum piano keyboard skills or music reading ability required. 2 lecture hrs/wk. F, W, S

MUS 131, 132, 133: Class Piano (2,2,2)
First year class piano for students with little or no previous instruction. Students learn basic fundamentals of reading music and playing the piano. Open to all students; required for all music majors unless excused. Class piano or individual piano lessons must be taken concurrently with Music Theory until adequate pianistic skills are acquired. Registration-Enforced. Co-requisites for MUS 131: MUS 111 and MUS 114; for MUS 132: MUS 112 and MUS 115; for MUS 133: MUS 113 and MUS 116. 2 lecture hrs/wk. F, W, S

MUS 134, 135, 136: Class Voice (2,2,2)
Class Voice is open to all students who wish to learn basic vocal skills in a class setting. Emphasis will be on breathing techniques, posture, voice placement, vowel production and easy literature. 2 lecture hrs/wk. F, W, S

MUS 137, 138, 139 Beginning Class Guitar (2,2,2)
An introduction to guitar technique for the beginning guitar student. The course teaches the fundamentals of guitar playing, music theory and ear training as it relates to the guitar, and appreciation of traditional and contemporary guitar performers. 2 lecture hrs/wk. F, W, S

MUS 137, 138, 139 Beginning Class Guitar (2,2,2)
An introduction to guitar technique for the beginning guitar student. The course teaches the fundamentals of guitar playing, music theory and ear training as it relates to the guitar, and appreciation of traditional and contemporary guitar performers. 2 lecture hrs/wk. F, W, S

MUS 137, 138, 139 Beginning Class Guitar (2,2,2)
An introduction to guitar technique for the beginning guitar student. The course teaches the fundamentals of guitar playing, music theory and ear training as it relates to the guitar, and appreciation of traditional and contemporary guitar performers. 2 lecture hrs/wk. F, W, S

MUS 161: Jazz Improvisation: Instrumental (3)
The objective of this course is to teach the participant how to improvise or improve the existing improvisational skill. Presentations and discussions will cover a variety of improvisational styles including jazz, rock, country, and classical. Class time will include listening, observing, and performing. Written assignments will consist of transcriptions. 3 lecture hrs/wk. Su

MUS 199: Special Studies: Music (1-3)
Presents selected topics in music offered on a temporary or experimental basis.

MUS 201, 202, 203: Introduction to Music & Its Literature (3,3,3)
Cultivation of understanding and intelligent enjoyment of music through a study of its elements, forms, and historical styles. This course is designed for the general campus student and the transfer music major. 3 lecture hrs/wk. F, W, S

MUS 204: Music of the World (3)
This course will allow the student to study a variety of musical styles from around the world. Special emphasis will be placed on examining the relationship between a culture or society and the music that it creates. No previous musical experience will be necessary and students will be taught a range of basic skills to evaluate, analyze, and critically assess what they hear. Different genres, styles, and aesthetics will be covered, including the music of Africa, South America, and Indonesia. Additionally, Native American and African American musical heritages will be discussed. 3 lecture hrs/wk. W, S

MUS 205: Introduction to Jazz History (3)
This course provides the student with listening skills and historical overview of jazz from its origin to the present. Emphasis on in-class listening and discussion of the music. No musical background is needed to take this class. The course meets Humanities requirements. 3 lecture hrs/wk.

MUS 211, 212, 213: Music Theory II (3,3,3)
Second year theory examines the structure and elements of music through analysis of the styles of major composers. Prerequisite: MUS 111, 112, 113. Corequisite: MUS 224, 225, 226. Class piano or individual piano lessons must be taken concurrently with Music Theory until adequate pianistic skills are acquired. 3 lecture hrs/wk. F, W, S

MUS 214, 215, 216: Intermediate Piano (2,2,2)
Second year of class piano. Offers theory and practice in piano techniques such as modulation, transportation, chord, reading, and extemporaneous playing. Prerequisite: MUS 131, 132, 133 or equivalent skills. 2 lecture hrs/wk. F, W, S

MUS 224, 225, 226: Aural Skills II (1,1,1)
The study of ear training and sight singing. Stresses music terminology, rhythm, intervals. Corequisite: MUS 211, 212, 213. 1 lecture hr/wk. F, W, S

MUS 280: Cooperative Work Experience: Music (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced. Prerequisite: Instructor approval. 1 credit = 33 hours of lab.
NRS - NURSING

NRS 111: Nursing Assistant (9)
A mandatory attendance course (164 hrs) designed to provide basic nursing skills for employment as a Certified Nursing Assistant once a student has successfully passed the CNA written and practical examination administered by the Oregon State Board of Nursing. The course consists of classroom instruction during weeks 1-7. The first 7 weeks includes lecture, observation, demonstration, and return demonstration of basic nursing skills, followed by 3 weeks of supervised clinical instruction. Course restrictions: Conviction of a felony and/or drug usage or distribution may result in the Oregon State Board of Nursing withdrawing the privilege of writing the Certified Nursing Assistant examination. Prerequisites: A student must be 16 years of age and must take UCC's placement tests and score 30 or more on Reading, Writing and Math. Background History Checks: Students are required to complete and pass an Oregon State Background History Clearance check. On the first day of class, students must show evidence that they have mailed their fingerprints to the Oregon State Police that begins the process of a background history clearance check. Failure to do so will result in the student being dropped from the class.
NOTE: Students having questions relating to the past backgrounds should refer to both the OSBN (Oregon State Board of Nursing) at 222.oregon.gov/OSBN/PDFS/nca/DIV63.pdf or DHS (Department of Human Services) at 222.oregon.gov/DHS/admin/wssrules, Chapter 407.

All students are required to have a TB screening test, the first injection of the three-part immunization series for Hepatitis B, and students born after 1956 must also provide official written proof of immunity against measles, (rubella and rubella) prior to the first day of clinicals. 9 credits - 56 lecture/28 lab/72-80 clinical hrs F, W, S, Su

NRS 11C: Nursing Assistant Lab/Clinical (4)
This is the lab/c clinical course to complement the Basic Nursing Assistant online course. Students have to be enrolled in both courses simultaneously. Students will complete the online requirements and then be able to schedule lab and clinical. This portion is a mandatory attendance portion that also requires successful demonstration and competency of all OSBN CNA (1) approved skills. After successful completion of all skills and attending the required clinicals, the student's name will be submitted to the appropriate agency to test for their state certificate. 3 lab, 9 clinical hrs/wk. TBA

NRS 12: Certified Nursing Assistant 2 (CNA-2) – Acute (3)
This course is designed to assist the Certified Nursing Assistant 1 (CNA 1) with developing the knowledge and skills necessary to become a Certified Nursing Assistant 2(CNA 2), Acute Care. The Oregon State Board of Nursing created the CNA 2 Acute Care classification in 2005 and updated June 2010. To enroll in this course you must have current unencumbered OSBN CNA Certificate; and have their name listed on the CNA Registry. The course has 40 hours of lecture/lab which includes lecture, observation, demonstration & return demonstration of certain nursing skills and 24 hours of supervised clinical instruction in the hospital setting. 3 credit hours - 40 lecture/lab + 24 clinical hrs F, W, S, Su

NRS 110: Foundations of Nursing in Health Promotion (9)
This course introduces the learner to the framework of the Oregon Consortium Nursing Education (OCNE) curriculum. The emphasis is on health promotion across the life span including self-health as well as client health practices. To support self and client health practices, students learn to access and read research literature about healthy lifestyle patterns, risk factors for disease/illness, and interventions to promote health behavior change. Students learn to conduct age-appropriate and culturally sensitive assessments about client health practices and risks, recognize roles of a multidisciplinary team, give and receive feedback about performance, and use reflective thinking about their practice as nursing students. Screening of healthy school aged children; teaching the family experiencing a normal pregnancy, interventions to prevent substance abuse and motivational interactions with healthy, community-dwelling older adults are exemplars. Prerequisite: Acceptance into the nursing program. 5 lecture/seminar; 10 hrs clinical/lab and 2 hrs independent study/wk. F

NRS 111: Foundations of Nursing in Chronic Illness I (6)
This course introduces assessment and common interventions (including technical procedures) for clients with chronic illnesses common across the life span in major ethnic groups within Oregon. The client and family's “lived experience” of the illness, coupled with clinical practice guidelines and extant research evidence is used to guide clinical judgments in care to the chronically ill. Roles of multidisciplinary team in care of the chronically ill legal aspects of delegations are explored. Cultural, ethical, health policy, and health care delivery system issues are explored in the context of the chronic illness care. Case exemplars include children with asthma, adolescent methamphetamine abuse, adult-onset diabetes, and older adults with dementia. Prerequisite: NRS 110. 3 lecture/seminar hrs, 9 clinical/lab hrs/wk. W, S

NRS 112: Foundations of Nursing in Acute Care I (6)
This course introduces assessment and common interventions (including relevant technical procedures) for care of patients during an acute episode of disease/illness. Common disease/illness trajectories and their clinical practice guidelines and/or standard procedures are considered in relation to their impact on providing culturally sensitive, client-centered care. Prerequisite: NRS 110. 3 lecture/seminar hrs, 9 clinical/lab hrs/wk. W, S

NRS 162: Nursing Program Portfolio I (1)(E)
This is the beginning course in the development of an electronic (online) portfolio with the major goal of preparation of professional documents including the personal statement, resume, and cover letter which summarizes the individual’s credentials and professional dimensions. An academic diary is used to create an annotated program transcript and a record of various curricular, community, service, shadowing, internships, and travel international experiences. In addition, there will be a self-evaluation to clarify the concept and meaning of what it means to be a “professional nurse”. 1 lecture/hr/wk. Online. W Elective

NRS 216: Nursing Skills Acute Hospital Clinical (2-3)
This course is acute clinical experiences in the hospital setting where students have clinical instructors supervise and mentor them toward nursing skill competency. The student will perform patient assessments, pass medications, and perform skills that have been checked off in previous nursing courses (NRS 110, 111, 112). The course will focus on enhancing the students’ clinical judgment (effective noticing, interpreting, responding and evaluating) in a variety of acute care settings. The students will be supervised by UCC faculty in the hospital clinical setting with the approved OSBN ratio. Registration-Enforced Prerequisite: NRS 110, 111, 112; 2 credits - 60 clinical hrs; 3 credits - 90 clinical hrs; 8 weeks only. Elective, Su
NRS 221: Foundations of Nursing in Chronic Illness II and End-of-Life (9)
This course builds on Foundations of Nursing in Chronic Illness I. The evidence base related to family care giving and symptom management is a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self-determination, and autonomy are explored. Complex skills associated with symptom management, negotiating in interdisciplinary teams, and the impact of cultural beliefs are included in the context of client and family-centered care. Exemplars include patients with chronic mental illness and well as other chronic conditions and disabilities affecting functional status and family relationships. Includes classroom and clinical learning experiences. (Can follow Nursing in Acute Care II (NRS 222). 5 lecture/seminar, 2 lab hrs, 10 clinical hrs/wk. F, W

NRS 222: Foundations of Nursing in Acute Care II (9)
This course builds on Nursing in Acute Care I focusing on more complex and/or unstable patient care situations some of which require strong recognition skills, rapid decision making, and some of which may result in death. The evidence base supporting appropriate focused assessments, and effective, efficient nursing interventions is explored - life span factors, cultural variables, and legal aspects of care frame, the ethical decision-making employed in patient choices for treatment or palliative care within the acute care setting. Case scenarios incorporate prioritizing care needs, delegation and supervision, family and patient teaching for discharge planning. Exemplars include acute psychiatric disorders as well as acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences. (Can follow Nursing in Chronic Illness II and End-of-Life Care NRS 221). 5 lecture/seminar, 2 lab hrs, 10 clinical hrs/wk. F, W

NRS 224: Scope of Practice & Preceptorship for AAS Completion (9)
This course is designed to formalize the clinical judgments, knowledge and skills necessary in safe, registered nurse practice. The preceptorship model provides a context that allows the student to experience the nursing work world in a selected setting, balancing the demands of job and life long learner. Faculty/preceptor/student analysis and reflection throughout the experience provide the student with evaluative demands of job and life long learner. Faculty/preceptor/student analysis and reflection throughout the experience provide the student with evaluative demands of job and life long learner. Includes classroom and clinical learning experiences. Required for AAS and eligibility for RN Licensure. 2 lecture/seminar hrs, 20 NSRC lab hrs, 20 community lab hrs, 170 clinical hrs/wk. S

NRS 230: Clinical Pharmacology I (3)
This course introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout their lifespan. Students will learn to make selected clinical decisions regarding using current, reliable sources of information, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. Drugs are studied by therapeutic or pharmacological class using an organized framework. Prerequisite: Admission into Nursing program; BI 231, 232, 233 Anatomy and Physiology sequence; Corequisite: NRS 111/112. 3 lecture/seminar hrs/wk. W

NRS 231: Clinical Pharmacology II (3)
This sequel to Clinical Pharmacology I continues to provide the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout their lifespan. Students will learn to make selected clinical decisions regarding using current, reliable sources of information, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. The course addresses additional classes of drugs and related natural products not contained in Clinical Pharmacology I. Prerequisite: NRS 230. Corequisite: NRS 111/112. 3 lecture/seminar hrs/wk. S

NRS 232: Pathophysiologica Processes I (3)
This course introduces pathophysiologial processes that contribute to many different disease states across the lifespan and human responses to those processes. Students will learn to make selective clinical decisions regarding using current, reliable sources of pathophysiologial information, selecting and interpreting focused assessments based on knowledge of pathophysiologial processes, teaching persons from diverse populations regarding pathophysiologial processes, and communicating with other health professionals regarding pathophysiologial processes. Registration-Enforced Prerequisite: BI 231, 232, 233, Anatomy and Physiology sequence; Corequisite: NRS 111/112. 3 lecture/seminar hrs/wk. W

NRS 233: Pathophysiologica Processes II (3)
This sequel to Pathophysiologial Processes I continues to explore pathophysiologial processes that contribute to disease states across the lifespan and human responses to those processes. Students will learn to make selected clinical decisions regarding using current, reliable sources of pathophysiologial information, selecting and interpreting focused assessments based on knowledge of pathophysiologial processes, teaching persons from diverse populations regarding pathophysiologial processes, and communicating with other health professionals regarding pathophysiologial processes. The course addresses material not covered in Pathophysiologial Processes I. Registration-Enforced Prerequisite: NRS 232. Co-requisite: NRS 111/112 3 lecture hrs/wk. S

NRS 262: Nursing Program Portfolio II (1)
This is the final course where the students complete their electronic (online) portfolio with the major goal of refinement of professional documents including the personal statement, resume, and cover letter which summarizes the student's credentials and professional dimensions. An academic diary is used to create an annotated program transcript and a record of various co-curricular, community, service, shadowing, internships, and travel/international experiences. In addition, there will be a self-evaluation to clarify the concept and meaning of what it means to be a "professional nurse". 1 lecture hr/wk. Online W Elective

NRS 280: Cooperative Work Experience: Nursing (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

OA - OFFICE ADMINISTRATIVE ASSISTANT

OA 110: Alphabetic Keyboarding (2)
This course teaches alphabetic keyboarding skills to students with no previous keyboarding experience. Students will develop touch keyboarding skill on the alphabetic keyboard and will develop proofreading skills. 4 lecture/lab hrs/wk. F, W, S

OA 115: Administrative Office Professional (3)
This course introduces students to the administrative office professional career. Multiple aspects of the office environment are covered, including time management, customer service, communication, and travel planning, stress management, technology, working with others, and career exploration. Students create a growth plan with the objective of moving towards an entry-level career. 3 lecture hrs/wk. F, W

OA 116: Records Management (2)
In this course, students gain proficiency in alphabetic, subject, geographic, and numeric filing methods. Students will also learn basic records management concepts, such as classification, records life cycle, the records management plan, storage and retrieval, and security. 1 lecture, 2 lecture/lab hrs/wk. F, W
OA 121: Keyboarding (3)
Teaches keyboarding skill, using a microcomputer, for those students with no previous keyboarding experience. Students will develop good proofreading skills and will learn to format a personal business letter. 1 lecture, 4 lecture/lab hrs/wk.

OA 123: Formatting (4)
A course that builds and improves upon basic keyboarding skills acquired in OA 124 and introduces the basics of word processing. Students will format business documents including letters, memos, tables, and simple reports. Document production timings and straight-copy timings are used to measure skill improvement. Registration-Enforced Prerequisite: OA 124 or instructor permission; Instructor-Enforced Prerequisite: Keyboarding speed 35 wpm or more. 3 lecture, 2 lecture/lab hrs/wk. W, S

OA 124A, 124B: Keyboarding Skill Enhancement (3, 3)
An individualized speed-building course for students who already know the keyboard without looking. The course is designed to build speed while maintaining accuracy and using correct touch-typing technique. Computer software provides skill building exercises and progress assessments. Instructor enforced Prerequisite: Touch typing at 20 wpm. 6 lecture/lab hrs/wk. F, W, S, Su

OA 128: Editing for Business (3)
A comprehensive, activity-oriented course designed to sharpen proofreading and editing skills. Reviews and applies the rules governing grammar, usage, and style to realistic business documents. The course also provides a spelling review. Computer exercises will provide on-screen editing practice to complement editing of printed and handwritten documents. Students will need basic keyboarding and word processing skills. 2 lecture, 2 lecture/lab hrs/wk. F, W

OA 131: Ten-Key Calculator (1)
Introductory course designed to familiarize a student with the functions of the ten-key calculator and to develop speed while operating the machine by touch. Students will also develop speed and accuracy on the computer keypad. 2 lecture/lab hrs/wk. F, W, S

OA 201: Word Processing Applications (3)
A course designed to give students an opportunity to apply basic word processing principles and to develop greater skills to meet job entry-level requirements. A final project will demonstrate the individual expertise acquired during the course. Prerequisite: CIS 120, OA 123 and 40 wpm or instructor approval. 2 lecture, 3 lab hrs/wk. F, S

OA 225: Machine Transcription I (3)
Covers the preparation of business documents using transcription equipment and word processing software. Reviews pre-transcription skills for spelling, word usage, grammar, and punctuation, which are essential for successful 7.5and OA 123 or instructor approval. 2 lecture, 3 lab hrs/wk. W

OA 245: Office Administration (1)
A course designed for AAS Office Technology students to be taken the term prior to graduation. The student will participate in a capstone project that includes writing an autobiographical sketch, and organizing, scheduling, and facilitating an exit interview with people working in their selected field. Prerequisite: Second-year standing in one of these AAS programs: Administrative Assistant, Administrative Medical Assistant, or Administrative Legal Assistant, or instructor permission. 1 lecture hr./wk. W

OA 250: General Office Procedures (3)
An advanced office procedures course in which the student learns to employ acceptable techniques in handling typical administrative level secretarial duties such as planning and organizing meetings, making travel arrangements, helping with reports, and making decisions. Prerequisite: OA 115, OA 116, OA 124, CIS 120. 2 lecture, 3 lab hrs/wk. S

OA 258: Machine Transcription II – General (3)
A course designed to provide the student with practice transcribing general office dictation. Transcription exercises will be completed for various professions, such as real estate, insurance, and retailing. Students will create merge documents, macros, and letterheads to be used in transcription exercises. Registration-Enforced Prerequisite: OA 225 with a grade of C or better. 2 lecture, 3 lab hrs/wk. S

OA 259: Machine Transcription II – Legal (3)
A course designed to provide the student with practice transcribing specialized legal transcription. This includes court and non-court documents in specialized formats and letters. Prerequisite: OA 225 and LA 102. 2 lecture, 3 lab hrs/wk. S

OA 260: Principles of Office Management (3)
This course is designed to familiarize students with principles used in setting up and managing an office: including organization, problem-solving, communicating, human resources, office systems, and office environments; assists in developing techniques for planning, organizing, and simplifying work. 3 lecture hrs/wk. S

OA 280A: Cooperative Work Experience: Administrative Assistant/Office Assistant (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. Prerequisite: Second year standing; instructor approval. 3-39 lab hrs/wk. 33 hrs lab = 1 credit.

OA 280C: Cooperative Work Experience: Administrative Medical Assistant (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. Prerequisite: Second year standing; instructor approval. 3-39 lab hrs/wk. 33 hrs lab = 1 credit.

OA 280D: Cooperative Work Experience: Clinical Medical Assistant (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. Registration-Enforced Prerequisite: MED 124 with a grade of C or better; Instructor-Enforced Prerequisite: proof of the following prior to enrollment: Hep B and MMR vaccinations and a PPD test; proof of a clean background history check. 3-39 lab hrs/wk. 33 hrs lab = 1 credit.

PE - PHYSICAL EDUCATION & OUTDOOR RECREATION

PE 110: Introduction to Rock Climbing (1)
Basic introduction to Rock Climb, includes gear, knots, beginning techniques. 2 lecture/lab hrs/wk. There is some physically demanding hiking involved. Two 10-hour days. F, S, Su

PE 111: Beginning White Water Raft (1)
Rafter paddle. Class 2-3 rapids. One five-hour classroom session, one ten-hour river session. 5 lecture, 1 lecture/lab hrs/wk. S

PE 112: Beginning Kayaking (1)
Class 2-3 rapids. Sit on top kayak. One two-hour classroom session, one ten-hour river session. 5 lecture, 1 hr lecture/lab hrs/wk. S

PE 113: Beginning Kayak Roll (1)
Class takes place in pool, students learn how to roll in an enclosed kayak. Five two-hour pool sessions, one ten-hour river sessions. 2 lecture/lab hrs/wk. S, Su
PE 114: Beginning Mountain Biking (1)
Beginning to Intermediate level recommendation. One 4 hr. classroom session, Two eight-hour Trail riding sessions. Must have own bike and helmet. 2 lecture/lab hrs/wk. F, W, Su

PE 115: Discover SCUBA (1)
Designed to introduce students to four days of SCUBA. Determines whether they want to pursue this activity. One four-hour classroom session, Two 8-hr. pool sessions. 2 lecture/lab hrs/wk. F, W, Su

PE 116: Fly Fishing (1)
Introductory class on fly fishing techniques. Five one-hour classroom sessions, one ten-hour river and pond session. 4 lecture; 1 lecture/lab hrs/wk. S, Su

PE 135: Anatomy & Physiology for Fitness (4)
Presents the basic principles of anatomy & physiology and how that applies to exercise and fitness. This class will introduce concepts in biochemistry, cells, tissues and metabolism as they apply to the following systems: cardiovascular, pulmonary, musculoskeletal, nervous and endocrine systems. This course is designed to prepare students who are in the Fitness Technician Program. This course is also suitable for Physical Education majors as well as college transfer students seeking a course for their Laboratory Science Requirement. Recommended to take CH 112 prior, but not required. 3 lecture, 3 lab hrs/wk. S

PE 182F: Triathlon Training (1)
The course trains students for a Sprint Triathlon through normal competition, field trips, sport specific training, and strength training. Workouts will include and be guided by experts in swimming, biking, and running. Prerequisite: Basic Swimming. Equipment Requirements: road or mountain bike, bicycle helmet, swim goggles, running shoes. 1 lecture, 2 lab hrs/wk. Online

PE 185: Activity Courses (1) (co-educational)
A variety of activities taught for physiological and recreational values including: basketball and advanced basketball, bowling, step and pump, golf, physical conditioning, softball, swim for fitness, beginning water polo, tennis, volleyball, weight training, aerobic fitness, beginning swimming, martial arts, physical conditioning, yaga, and self defense. 3 lab hrs/wk. F, W, S, Su

PE 185A: Aerobic Fitness (1)
3 lab hrs/wk. F, W, S

PE 185B: Beginning Basketball (1)
3 lab hrs/wk. F, W, S

PE 185BA: Advanced Basketball Women-Tm (1)
3 lab hrs/wk. F, W, S

PE 185BB: Advanced Basketball Men – Tm (1)
3 lab hrs/wk. F, W, S

PE 185BM: Physical Conditioning – Mens Basketball (1)
3 lab hrs/wk. F, W, S

PE 185BS: Basketball Strategy Women – Tm (1)
3 lab hrs/wk. F, W, S

PE 185BT: Basketball Strategy Men – Tm (1)
3 lab hrs/wk. F, W, S

PE 185BW: Physical Conditioning – Women’s Basketball (1)
3 lab hrs/wk. F, W, S

PE 185FA: Fitness Center – Aerobic (1)
3 lab hrs/wk. F, W, S, Su

PE 185FB: Fitness Center – Basic (1)
3 lab hrs/wk. F, W, S, Su

PE 185FS: Fitness Center – Strength (1)
3 lab hrs/wk. F, W, S

PE 185G: Beginning Golf (1)
3 lab hrs/wk. F, W, S

PE 185L: Beginning Bowling (1)
3 lab hrs/wk. F, W, S

PE 185MA: Martial Arts A(1)
3 lab hrs/wk. F, W, S, Su

PE 185MB: Martial Arts B(1)
3 lab hrs/wk. F, W, S, Su

PE 185MC: Martial Arts C(1)
3 lab hrs/wk. F, W, S, Su

PE 185P: Physical Conditioning (1)
3 lab hrs/wk. F, W, S

PE 185Pi: Pilates (1)
3 lab hrs/wk. F, W, S, Su

PE 185Q: Beginning Swim (1)
3 lab hrs/wk. F, W, S

PE 185Qf: Swim Fitness (1)
3 lab hrs/wk. F, W, S

PE 185S: Step and Pump (1)
3 lab hrs/wk. F, W, S

PE 185T: Athletic Team Members (1)
3 lab hrs/wk. F, W, S

PE 185TN: Beginning Tennis (1)
3 lab hrs/wk. F, W, S

PE 185TI: Intermediate Tennis (1)
3 lab hrs/wk. F, W, S

PE 185U: Turbo Kick Boxing (1)
3 lab hrs/wk. F, W, S

PE 185V: Beginning Volleyball (1)
3 lab hrs/wk. F, W, S

PE 185VW: Physical Conditioning – Women’s Volleyball (1)
3 lab hrs/wk. F, W, S

PE 185W: Weight Training (1)
3 lab hrs/wk. F, W, S

PE 185Y: Yoga (1)
3 lab hrs/wk. F, W, S

PE 185YI: Yoga Intermediate (1)
3 lab hrs/wk. F, W, S
PE 185Z: Zumba (1)
3 lab hrs/wk. F, W, S

PE 186L: Big Band Swing Dancing (1)
This course is designed to teach students the fundamentals of big band swing dancing in a relaxed, fun environment. The course will be learning basic dance techniques applied to swing-related dance styles including the lindy hop, Charleston, east coast, and the jitterbug scroll. 3 lab hrs/wk. F, W, S

PE 194F: Fitness Assessment and Exercise Prescription (2)
Basic fitness principles and techniques for physical fitness assessments including cardiovascular endurance, blood pressure, joint flexibility, body composition, and muscular strength and endurance. Topics include health screening, informed consent, field test protocols, data interpretation, and exercise prescription. Students will have the opportunities for practical experience in assessing fitness levels and developing appropriate exercise prescription for apparently healthy individuals as well as special populations such as physically challenged, pregnant and postpartum women, and mature adults. 4 lecture/lab hrs/wk. F

PE 194S: Principles of Strength Training and Conditioning Instruction (2)
Fundamental techniques of resistance training, and programs/systems of conditioning. Includes safety concerns, flexibility exercises, exercise modalities, aerobic conditioning, exercise prescription, exercise principles, weight loss and fitness assessment. Designed for those students who wish to be teachers/coaches or work in a private/corporate fitness setting. 4 lecture/lab hrs/wk. S

PE 210: Rock Climbing I (1)
Rappel and belay climbing as well as top rope climbing. Physically demanding climbing involved. 2 lecture/lab hrs/wk. Two ten-hour days. F, S, Su

PE 211: Open Water SCUBA (2)
This course teaches students to dive independently with certification upon completion. Five two-hour classroom sessions, five two-hour pool sessions, one ten-hour open water dive. 1 lecture; 2 lecture/lab hrs/wk. Two ten-hour days. F, S, Su

PE 240: Rock Climbing II (1)
Multi-pitch climbing as well as rappel and belay technical climbs. Physically demanding climbing involved. Registration-Enforced Prerequisite: PE 210 or instructor approval. 2 lecture/lab hrs/wk. Two ten-hour days... F, W, S, Su

PE 241: Advanced White Water Raft (1)
Rafter paddle. Class 3-5 rapids. 1 five-hour classroom session, 1 ten-hour river session. 5 lecture, 1 lecture/lab hrs/wk. S

PE 242: Advanced SCUBA (1)
Emphasis on Adv. open water and deep water dives. 2 hr. sessions, 2 8-hr. water sessions. Adv. PADI certification upon completion. Instructor-Enforced Prerequisite: PADI requirement upon entry. 2 lecture/lab hrs/wk. F, W, S, Su

PE 243: Altitude Diver (1)
This course is designed for the Advanced Scuba student looking to advance their certification through PADI (Professional Association of Diving Instructors). Altitude diving is any time that you are diving 1,000 feet to 10,000 feet above sea level. The Altitude Diver course teaches students the effects of pressure at altitudes and how to adjust your dive plan accordingly. 2 lecture/lab hrs/wk. F, S, Su

PE 245: Rock Climbing III (1)
Practice rock climber safety, establishing anchors. Follow and lead on multiple pitch routes. Registration-Enforced Prerequisite: PE 240 or instructor approval. 2 lecture/lab hrs/wk. Two ten-hour days. S, Su

PE 253: Wilderness Emergency Care (2)
Course provides necessary knowledge and skills to care for an injured or suddenly ill person in a remote location more than one hour from definitive care. Course follows "Wilderness Medical Society" guidelines. 4 lecture/lab hrs/wk. W

PE 254: Compass, Maps & GPS (2)
Course provides hands-on knowledge on how to use the compass, Global Positioning System, read maps and terrain in the back country. Course also covers orienteering and geocaching. 4 lecture/lab hrs/wk. F

PE 255: Wilderness Survival (2)
Course provides hands-on knowledge on basic principles of surviving in the back country, how to use the compass, Global Positioning System, read maps and terrain in the back country. Course also covers orienteering and geocaching. 4 lecture/lab hrs/wk. S

PE 280: Cooperative Work Experience: Fitness Technician Majors (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

PE 284: Snow Boarding/Skiing (2)
Introductory to Advanced levels of instruction on Snow Boarding or Skiing. 7.5 hrs/wk. x 6 visits to mountain. 6 lab hrs/wk. W

PE 290: Fitness Instructor (3)
The purpose of the course is to teach and train students how to become Fitness Instructors. They would be employed at health clubs, schools, and organizations that offered courses in this subject. Two levels of certification: Level 1 - non-rhythmic classes and Level 2 - rhythmic classes. 2 lecture, 2 lecture/lab hrs/wk. W

PE 291: Lifeguarding (2)
Teaches students to become a certified Lifeguard, specific to pool settings and non-surf open water. First Aid and CPR will be included. Five two-hour classroom sessions, six five-hour pool sessions. Instructor-Enforced Prerequisites: minimum 15 years of age, Intermediate level swimmer. 1 lecture, 3 lab hrs/wk. S

PE 292: Water Safety Instructor (WSI) (2)
Teaches student to become a certified swim instructor for children up to adults. Five 2-hr. sessions, Six 5-hr. pool sessions. Instructor-Enforced Prerequisites: minimum 16 years of age. 1 lecture, 3 lab hrs/wk. S

PE 294: Rock Climbing Instructor Aide (3)
This course is designed for the student to be introduced to the basic concepts of guiding. The student will assist in one of each course: Intro, Rock Climbing I and II (within one term, if possible). Registration-Enforced Prerequisite: Instructor approval. 1 lecture, 6 lab hrs/wk. 70 hrs F, S, Su

PE 294: Rescue Diver (1)
PADI Advanced Open Water or Advanced Plus and must be 15 yrs. old upon entry. Effectively perform diver assists and respond to diving accidents and rescue. Two two and one-half hour sessions, two five-hour pool sessions. Instructor-Enforced Prerequisite: PADI Advanced Open Water or Advanced Plus and must be 15 yrs. old upon entry. .5 lecture, 1 lecture/lab hrs/wk. F, W, S, Su

PE 294W: White Water Raft Guide (2)
Students learn the basics of whitewater guiding, with techniques of paddling as well as rowing. One four-hour classroom session, four nine-hour river sessions. Students will assist in one each of Beginning Whitewater Rafting and Advanced Whitewater Rafting. 4 lecture/lab hrs/wk. S
PH - PHYSICS

PH 201, 202, 203: General Physics (5,5,5)
Algebra-based physics including topics: mechanics, fluids, waves, thermodynamics, electricity and magnetism, light and optics.
PH 201: Units, vectors, motion, dynamics, energy, and momentum. Registration-Enforced Prerequisite or Corequisite: MTH 111 or equivalent. F
PH 202: Rotation, gravitation, equilibrium, fluids, and thermodynamics. Registration-Enforced Prerequisite: PH 201. W
PH 203: Waves, sound, electricity and magnetism, light, and optics. Registration-Enforced Prerequisite: PH 202. S
Recommended for pre-professional health care programs. Courses must be taken in sequence, or with consent of instructor. 4 lecture, 3 lab hrs/wk.

PH 211, 212, 213: General Physics w/Calculus (5,5,5)
Calculus-based physics including mechanics, gravitation, fluids, harmonic motion, electricity and magnetism, light and optics, and thermodynamics.
PH 211: Units, vectors, motion, dynamics, energy, and momentum. Registration-Enforced Prerequisite or Corequisite: MTH 251. F
PH 212: Rotation, rotational dynamics, equilibrium, elasticity, fluids, oscillations, and waves. Registration-Enforced Prerequisite: PH 211. Registration-Enforced Prerequisite or Corequisite: MTH 252. W
PH 213: Sound, electric forces and electric fields and potentials, capacitance, electronics, magnetism, light and optics, and thermal physics. Registration-Enforced Prerequisite: PH 212. S
Note: PH 201-203 recommended for pre-professional health care programs. Courses must be taken in sequence, or with consent of instructor. 4 lecture, 3 lab hrs/wk.

PHL - PHILOSOPHY

PHL 201: Introduction to Philosophy (3)
The first course in a three-term sequence of courses. It addresses persistent problems in descriptive philosophy. Topics covered include metaphysics: What types of entities are there in existence? What is the underlying nature of reality? Epistemology questions human knowledge and its reliability. How do we come to know reliably about the world around us? 3 lecture hrs/wk. F

PHL 202: Ethics (3)
The second course in this series is devoted to the study of ethics, a prescriptive branch of philosophy that asks: How ought we to act? Major ethical theories studied are macro ethics, deontology, consequentialism, and an individual rights perspective that can also be used to answer the question: How ought I act? A major emphasis is the detailed application of the theories studied to dozens of examples of real life ethical problems. The examples may be drawn from: medical ethics, legal ethics, business ethics, taking human life, death with dignity, abortion, bioethics, truth telling, human sexuality, environmental ethics, and the treatment of animals. 3 lecture hrs/wk. W

PHL 203: Introduction to Philosophy (3)
An introduction to 20th century symbolic logic. Topics are: Sentential Logic, Truth Diagrams, Aristotelian Logic, Venn diagrams, Symbolizing English Sentences, Quantifiers, Introduction to Quantificational Logic, English Language Arguments. A person's critical thinking skills will be enhanced and developed as a result of having studied modern symbolic logic. 3 lecture hrs/wk. S

PN - PRACTICAL NURSING

PN 101 Introduction to Practical Nursing (9)
This course introduces the learner to the framework of the Practical Nursing curriculum. The emphasis is on health promotion across the life span, and includes learning about self-health as well as client health practices. To support self and client health practices, students learn to access research evidence about healthy lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview clients in a culturally-sensitive manner, work as members of a multidisciplinary team giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. The family experiencing a normal pregnancy is a major focus. The course includes classroom and clinical/lab/Nursing Science Resource Center (NSRC) learning experiences. 5 lecture, 5 lab, 7 clinical hrs/wk. W

PN 102 Foundations of Practical Nursing I (9)
This course introduces focused assessment and common interventions (including technical procedures) for clients with chronic illnesses common across the lifespan in major ethnic groups. The client and family's "lived experience" of the illness, coupled with clinical practice guidelines and research evidence is used to guide clinical judgment in care to the chronically ill. Roles of multidisciplinary team in care of the chronically ill and legal aspects of delegations are explored. Through case scenarios, cultural, ethical, health policy, and health care delivery system issues are explored in the context of chronic illness care. This course includes classroom, lab/Nursing Science Resource Center (NSRC) and clinical learning experiences. 5 lecture, 5 lab, 7 clinical hrs/wk. S

PN 103 Foundations of Practical Nursing II (9)
This course introduces the learner to assessment and common interventions (including relevant technical procedures) for care of clients across the life span who require acute care, including normal childbirth. Disease/illness trajectories and their translation into clinical practice guidelines and/or standard procedures are considered in relation to their impact on providing culturally sensitive, client-centered care. This course includes classrooms, lab/Nursing Science Resource Center (NSRC) and clinical learning experiences. 4 lecture, 4 lab, 12 clinical hrs/wk. Su

PS - POLITICAL SCIENCE

PS 201, 202, 203: U.S. Government (3,3,3)
A three-term course that includes the fundamental vocabulary, theories, and analytical methods of political science. Students use the Internet to study national interest groups, U.S. Supreme Court cases, Oregon's state legislative process and more.

PS 201 focuses on the culture, values and political participation practices that sustain and continuously modify American politics. Topics include political ideologies and political parties. PS 202 focuses on the national policy-making process, especially the role of the judicial branch. Topics include civil rights and civil liberties. PS 203 concerns Oregon state and local government and current policy issues. Field trips and/or guest speakers add experiential perspectives to the reading and Internet research. PS 201 and 202 should be taken in sequence. PS 203 can be taken separately, without taking PS 201 or 202, or as the third course in the sequence. Students should not attempt to take these courses until they have successfully completed WR 121, 122, and 123. This course is not appropriate for first-term students seeking credits toward a high school diploma. 3 lecture hrs/wk. PS 201 - F; PS 202 - W; PS 203 - S

PS 205: International Relations (3)
This course is a one-term survey of contemporary international political and economic issues in historical perspective. The course emphasizes reading, group discussion, short essays, and some Internet research. It is especially relevant to career preparation for business, political science, and secondary education majors, as well as for international relations majors. Students should not attempt to take this course until they have successfully completed WR 121, 122, and 123. 3 lecture hrs/wk. S (Not offered every year).
PSY 101: Psychology of Human Relations (3)
The purpose of this course is to enhance students’ understanding of the variety and complexity of human interactions. The focus is on the practical application of psychology in everyday situations; topics include self-concept, perception, personality development, cultural diversity, conflict resolution, emotions, stress, interpersonal communications, workplace success, and behavioral change. 3 lecture hrs/wk. F, W, S, Su

PSY 130: Understanding Children’s Behavior (2)
An introduction to the basic principles of understanding child behavior using the psychology of Adler and Dreikurs as a reference. Discussion and practice of ideas presented including methods of discipline; effective communication; conflict resolution; sexuality; developing healthy self-concepts; and a more democratic approach to living. 2 lecture hrs/wk. S (Not offered every year)

PSY 201: General Psychology (3)
Studies human behavior through the topics of genes, brain function, nervous and endocrine systems, body rhythms, consciousness, sensation, perception, and scientific methodology. Recommended Prerequisite: Placement into or completion of WR 115. 3 lecture hrs/wk. F, W, S, Su

PSY 202: General Psychology (3)
The study of human behavior through the topics of learning, memory, thinking, intelligence, motivation, emotion, and human development. May be taken concurrently with PSY 203. Registration-Enforced Prerequisite: PSY 201. 3 lecture hrs/wk. W, S, Su

PSY 203: General Psychology (3)
The study of human behavior through the topics of health and stress, personality, socio-cultural forces, psychological disorders, and approaches to treatment. May be taken concurrently with PSY 202. Registration-Enforced Prerequisite: PSY 201. 3 lecture hrs/wk. S, Su

PSY 211: Media Literacy (3)
Survey of news and opinion media, the role of advertising to media on society; relation of advertising to media; relation of advertising to audience; and the variety and complexity of human interactions. The focus is on the practical application of psychology in everyday situations; topics include self-concept, perception, personality development, cultural diversity, conflict resolution, emotions, stress, interpersonal communications, workplace success, and behavioral change. 3 lecture hrs/wk. F, W, S, Su

PSY 231: Human Sexuality (3)
Introduces the biological, social, and psychological components of human sexual functioning. Topics such as physiology, attitudes, emotions, and myths are considered. Emphasizing relationship perspectives. The focus is on recognizing the range of human sexual behaviors over time, across cultures, and within groups. 3 lecture hrs/wk. S

PSY 239: Abnormal Psychology (3)
This course bridges the gap between mental health concepts introduced in PSY 203, General Psychology, and the more in-depth analysis of psychopathology issues covered in the typical upper division psychology class. The following topics will be presented: defining “abnormal”; a brief historical and cross-cultural overview of abnormal behavior; basic data regarding the incidence and classification of emotionally disturbed persons; and an introduction to common treatments for psychological difficulties. Registration-Enforced Prerequisite: PSY 201, 202, and 203 or instructor permission. 3 lecture hrs/wk.

PSY 280: Cooperative Work Experience: Psychology (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of the various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.
SDP 112: Communicating Effectively in the Workplace (3)
Concentration will be on supervisory communications in the workplace; the importance of good reading skills; development of active listening skills; writing of reports, letters, and inter/intra-office memos; speaking, including both prepared and off-the-cuff presentations; non-verbal communications; and the difference between formal and informal communications. 3 lecture hrs/wk. W

SDP 113: Human Relations for Supervisors (3)
This course analyzes the mutual relationships of organizational employees, customers, and other outside persons. Studies and provides critical thinking about teamwork, coaching, counseling, and mutual respect, personal integrity, and acceptance of others. Students will gain insight into the human and organizational factors that influence the workplace beyond the traditionally measured outcomes of performance, production, and profitability. 3 lecture hrs/wk. S

SDP 201: Coaching in the Workplace (3)
This course is designed to help supervisors and other team leaders define the effective coach, build a coaching foundation, and plan a coaching strategy. Employee personality types, trust building, and healthy coach-employee relationships will be addressed. Effective questioning strategies as information-gathering tools will also be addressed. 3 lecture hrs/wk. S

SDP 204: Labor/Management Relations (3)
Traces the development of unionism in the United States and reviews in detail the requirements of labor legislation as it affects both supervisors and employees. Students are involved in an intensive role-playing situation involving contract negotiations. 3 lecture hrs/wk. F, S

SDP 205: Management and Leadership Dynamics (3)
This is a course designed to provide students with current supervisory, leadership and management information using actual companies and hiring managers. Using business cases studies, classroom lectures from actual business owners and managers, along with current workplace analysis, students will gain insights and understanding for the dynamic nature of supervision and management. Students will have the opportunity to study, understand, and consider the various styles of workplace leadership which exist and from whom they may seek future job opportunities. 3 lecture hrs/wk. S

SDP 208: Human Resources for Supervisors (3)
This course prepares students for real issues and current challenges in human resource management. Problem-solving and decision-making skills are developed and emphasized. 3 lecture hrs/wk. W

SDP 215: Equal Employment Opportunity (3)
An elementary study of the equal opportunity laws that a first-line supervisor encounters in the workplace. History and development of equal opportunity laws, issues of race, color, religion, sex, age, national origin and handicaps will be emphasized. Sexual harassment, affirmative action, cultural diversity, and handicaps/disabilities and the ADA will be addressed. 3 lecture hrs/wk. S

SDP 223: Employee Appraisal and Development (3)
The supervisor’s responsibility for the appraisal and development of employees will be emphasized. Employee appraisals, development of performance standards, writing of the appraisal, and the appraisal interview will be addressed. The development of training objectives will be covered in addition to on-the-job training project development and presentation techniques. 3 lecture hrs/wk. S, alternate years.

SOC 204: Introduction to Sociology (3)
Sociological theories and theorists, as well as research and scientific methods, are examined along with the problem of how societies teach their children to become members of the group, and how adults cope with life’s passage. Social structure, social patterns, deviance and social control, and the impact and meaning of culture, are also explored. While the primary focus of the course is our own society, several other societies are studied for comparison. The first term of a three-term sequence; each may be taken independently. 3 lecture hrs/wk. F, W

SOC 205: Institutions and Social Change (3)
An analysis of the major institutions in society including family, religion, law and politics, economics, and war and peace is offered during this term. The focus is on modern American society, but other societies will be explored and used for comparison. 3 lecture hrs/wk. F, S

SOC 206: Social Problems and Issues (3)
Social issues and social problems are explored using a critical thinking approach. Examples are from sociologists and journalists, and include problems such as poverty, drugs, crime, urban affairs, public health, gender issues. 3 lecture hrs/wk. F, S

SOC 207: Juvenile Delinquency (3)
The concepts and theories of delinquency: childhood development, delinquency, and status offenses, the nature and extent of delinquency, and individual, sociological, and developmental views of delinquency. The social, community, and environmental influences on delinquency. Effect of the family, peers, schools and drug use on delinquency. The juvenile system: history and development of juvenile justice, police work with juveniles, the juvenile court process, and juvenile corrections. Primary, secondary, and tertiary delinquency prevention efforts also will be defined. NOTE: This course is enhanced with online components. Students will need regular access to an Internet-connected computer. 3 lecture hrs/wk. W

SOC 213: Race, Class, & Ethnicity (3)
Ways societies tend to divide themselves into ranks of more and less privileged members. Includes racial and ethnic groups, aging in our own and other societies, and sex and gender roles in their contemporary and historical contexts. Prerequisite: None; SOC 204 or 205 recommended. 3 lecture hrs/wk. S

SOC 225: Social Aspects of Addiction (3)
This course examines specific problems related to the social implications of addiction. The basic facts and effects on individuals, their families, and society are explored. Personal pathologies that are precursors to drug and alcohol addiction will be reviewed including mental illness, abusive background, and suicidal ideations. 3 lecture hrs/wk. S

SOC 240: Sociology of Work and Leisure (3)
This course explores problems and potentials of work and leisure in the culture, addressing the structure of today’s work environment and its implications for fulfillment on and off the job. The following topics may be examined: meaningful career choices, satisfaction and dissatisfaction associated with work, the work ethic and its implications, the changing nature of work, the life course and problems with leisure, the question of a leisure ethic, and affirmative decision-making and balance in work and leisure. 3 lecture hrs/wk. (Not offered every year)

SOC 280: Cooperative Work Experience: Sociology (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.
SP - SPEECH

SP 105: Listening (3)
Because listening is important in our personal as well as professional relationships, students find this course particularly interesting and relevant. In this course, students will examine the effects of listening style on personal relationships and public interactions. Both theoretical and applied perspectives will be examined. However, the emphasis will be on skill application. Through exercises and assignments, students will also have an opportunity to assess their own listening strengths and weaknesses with opportunities to improve proficiency. Recommended Prerequisites: WR 095 with a grade of C or better or Compass placement scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores of 85 or above in reading. 3 lecture hrs/wk. W, S, Su

SP 111: Fundamentals of Public Speaking (3)
Preparation and delivery of effective extemporaneous communications. Primary emphasis on content, organization, audience adaptation, delivery, and listening. Recommended Prerequisites: WR 095 with a grade of C or better or Compass placement scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores of 85 or above in reading. 3 lecture hrs/wk. F, W, S

SP 112: Persuasive Speech (3)
Study of theories and practices of persuasion. Includes preparation and delivery of persuasive messages to individuals and groups. Emphasis on becoming a responsible persuader and a critical consumer of persuasion. Recommended Prerequisites: WR 095 with a grade of C or better or Compass placement scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores of 85 or above in reading. 3 lecture hrs/wk. S

SP 218: Interpersonal Communication (3)
An investigation of the theory and practice of interpersonal communication through participation in group discussions, readings, and written exercises. Attention to perception, language, sharing, listening, decision making, conflict, non-verbal, and male/female communication. Emphasis is on developing abilities and skills applicable to work, social, civic and intercultural situations. Recommended Prerequisites: WR 095 with a grade of C or better or Compass placement scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores of 85 or above in reading. 3 lecture hrs/wk. S

SP 219: Small Group Discussion (3)
Study of theory and practice of small group communication by participation in group discussions, readings, and written exercises. Attention to organization and conduct of problem-solving groups and learning. Emphasis is on: (1) learning how to enhance group communication, to deal effectively with conflict and to apply problem-solving techniques to a task-oriented group setting, and (2) developing attitudes and skills applicable to leadership and participation in work and civic committees. Recommended Prerequisites: WR 095 with a grade of C or better or Compass placement scores of 70 or above in writing; AND RD 090 with a grade of C or better or Compass placement scores of 85 or above in reading. 3 lecture hrs/wk. W

SP 237: Gender Communication (3)
An examination of similarities and differences in male and female communication styles and patterns. Particular attention given to the implications of gender as social construct upon perception, values, stereotyping, language use, nonverbal communication, and power and conflict in human relationships. Discussion of influence of mass communication upon shaping and constructing male and female sex roles. Course fulfills block transfer and cultural diversity requirements and is transferable to state four-year university. 3 lecture hrs/wk. F

SP 280: Cooperative Work Experience: Speech (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

SP - SPANISH

SPAN 101: First Year Spanish (4)
Students will begin to build the basic skills of listening, speaking, reading, and writing in Spanish, with a special focus on communicating. Students will be introduced to the diversity of the Spanish-speaking world. Registration-Enforced Prerequisite: WR 115 with a grade of C or better. 4 lecture hrs/wk. F

SPAN 102: First-Year Spanish (4)
Students will further develop the basic skills of speaking, listening, reading and writing. The course emphasizes oral communication and listening comprehension within a culturally authentic context. Students will deepen their awareness of the Spanish-speaking world. Registration-Enforced Prerequisite: WR 115 and SPAN 101 with a grade of C or better. 4 lecture hrs/wk. W

SPAN 103: First-Year Spanish (4)
Students will practice active communication while strengthening speaking, listening, reading, and writing skills within a culturally authentic context. Through the study of literature and other media, students will deepen their awareness of the Spanish-speaking world. Registration-Enforced Prerequisite: WR 115 and SPAN 102 with a grade of C or better. 4 lecture hrs/wk. S

SPAN 111: Conversational Spanish (2)
An intensive conversational Spanish, with reading and written exercises designed to help students acquire an accurate and fluent use of Spanish. Registration-Enforced Prerequisite: WR 115 and SPAN 101 or equivalent. 2 lecture hrs/wk. W

SPAN 120 Spanish in the Workplace: (4)
These courses offer introductory Spanish language skills and cross-cultural communication as applied to several workplace environments. Issues pertinent to the workplace such as health, safety, problem-solving and teamwork are emphasized. 4 lecture hrs/wk

SPAN 121 Spanish in the Workplace for Viticulture (4)
This course will introduce students to basic grammar concepts and vocabulary pertinent to the field of Viticulture and Enology. Topics will be presented and discussed in a culturally authentic context exploring the realities of the industry in the United States today. Through active classroom participation, students will practice basic Spanish phrases needed to explain the purpose, procedures, and evaluation of planting, harvesting, and pruning. In addition, students will learn vineyard specific vocabulary and phrases to effectively carry out safe protocols. 4 lecture hrs/wk.

SPAN 122 Spanish in the Workplace for Safety and Emergency Personnel (4)
This course will introduce students to basic Spanish grammar concepts and vocabulary pertinent to Safety and Emergency Personnel. Topics will be presented and discussed in an authentic context exploring the cultural interactions within these occupations. Great emphasis will be placed on understanding cultural differences between the Hispanic and the non-Hispanic community. 4 lecture hrs/wk
SPAN 201: Second-Year Spanish (4)
This course promotes intensive development of oral and written Spanish language skills. Students will review and expand on first-year structural patterns and vocabulary by integrating listening, speaking, reading, and writing skills. In-depth exploration of cultures is offered through the use of authentic materials from the Spanish-speaking world. Conducted in Spanish. Registration Enforced Prerequisite: SPAN 103 with a grade of C or better. 4 lecture hrs/wk. F

SPAN 202: Second-Year Spanish (4)
This course continues an in-depth development of oral and written Spanish language skills with further emphasis on vocabulary and complex grammatical concepts. In-depth exploration of cultures is offered through the use of authentic materials from the Spanish-speaking world. Conducted in Spanish. Registration Enforced Prerequisite: SPAN 201 with a grade of C or better. 4 lecture hrs/wk. W

SPAN 203: Second-Year Spanish (4)
This course promotes continued development of Spanish language skills through in-depth oral activities and discussion of themes, analysis of current events relating to the Spanish-speaking world; and the use of written materials as a means of communication. In-depth exploration of cultures is offered through use of authentic materials from the Spanish-speaking world. Conducted in Spanish. Registration Enforced Prerequisite: SPAN 202 with a grade of C or better. 4 lecture hrs/wk. S

SPAN 211: Conversational Spanish (2)
This course provides students with an opportunity for intensive speaking and listening practice to improve oral/aural communication skills in Spanish. Students will learn new vocabulary and expressions through reading and listening activities from culturally authentic sources representative of the Hispanic world. Students will apply these concepts to communicate in conversations, interviews, and role-play skits with other students. 2 lecture hrs/wk. F, W, S

SPAN FEP 211, 212: Immersion Spanish (3)
Immersion Spanish is designed to provide the setting for students to learn and practice the target language in a native setting. This is an immersion class where students will travel to the target country, attend classes, practice the language while in a homestay placement with native speakers, and experience the history and culture of the target country. 30 lecture hours during 2 weeks.

SUR · SURVEYING

SUR 161: Surveying I (4)
Fundamental concepts of plane surveying including the theory of measurements; systematic and random errors; distance and angle measurement methods; calculation of bearings, azimuths, coordinates and area; traverse adjustments methods. Introduction to horizontal and vertical curves. Registration Enforced Prerequisite: MTH 111, with grade of C or better or instructor approval. Registration Enforced Co-requisite: MTH 112. 3 lab hrs/wk. S

SUR 162: Surveying II (5)
Digital theodolites and data collectors, instrument testing and observational error analysis. Theory of leveling. Solar observation and computation. E.D.M. use and calibration. Field labs including solar observations, traversing, leveling, and horizontal curve layout. Introduction to COGO software. Registration Enforced Prerequisite: SUR 161, with grade of C or better. 3 lecture, 6 lab hrs/wk. F

SUR 163: Surveying III (5)
Laboratory intensive project overview including horizontal and vertical control for preliminary location and construction surveys for a secondary road. Instruction in basic elements of horizontal and vertical route alignment and layout. Determination of earth work quantities. CAD drafting of plan, profile and cross-sections. Registration Enforced Prerequisite: SUR 161 with a grade of C or better. 2 lecture, 9 lab hrs/wk. W

SUR 242: Land Descriptions & Cadastre (3)
Real property descriptions and land record systems. Emphasis on interpreting and writing land descriptions, research in land records and multi-purpose cadastre. Registration Enforced Co-requisite: SUR 161 3 lecture hrs/wk. S

TA - THEATRE ARTS

TA 141, 142, 143: Acting I, II, III (3,3,3)
An introduction to the methods, techniques, and theory of acting as an art form. Designed for the person who has little or no acting experience and is interested in learning the basic communication and performance skills that produce quality in acting, and build self-confidence. Students learn by acting in scenes from plays and improvisations. Entry-level course for theatre majors and is required in all college theatre programs. Open to non-majors. 3 lecture hrs/wk. F, W, S

TA 211: Introduction to Set Design (3)
Study of stage set and props construction, concepts, and techniques. Students learn theatre design concepts, drafting floor plans, reading working drawings, and techniques for moving scenery. Part of class time will be spent building sets, crafting props, and painting scenery. Required class for theatre majors. Open to non-majors. 2 lecture, 3 lab hrs/wk. S (odd numbered years)

TA 213: Introduction to Lighting Design (3)
History, theory, technique, and practice of lighting for the stage and studio. Includes the study of physics, electricity, optics, and color applicable to stage lighting. Instrument types, lamps, dimmers, and the design of lighting will be used for theatrical or studio production. 2 lecture, 3 lab hrs/wk. S (even numbered years)

TA 227: Stage Makeup (3)
Course designed to study the theory, and practice the technique of applying makeup for the stage. The student will learn facial anatomy, the balance of light and shadow, color mixing with makeup, how to plan and apply makeup, wigs, facial hair and prosthetics, and how to put together their own makeup kit. Required class for theatre majors. Open to non-majors. 2 lecture, 3 lab hrs/wk. F (even numbered years)

TA 241, 242, 243: Intermediate Acting Techniques (3,3,3)
Second-year class that concentrates on the problems of characterization, character analysis, and historic period styles of acting. The student will continue to refine the basic acting skills, but will work on a more advanced level and will be expected to perform characterizations which require more well-refined acting techniques. Open to non-majors. Prerequisite: TA 143 or equivalent. 3 lecture hrs/wk. F, W, S

TA 253: Theatre Rehearsal & Performance (1-4)
Rehearsing and performing in a play. May be repeated for a maximum of 9 credits. Prerequisite: Instructor approval. 3-12 lab hrs/wk. F, W, S, Su

TA 265: Theatre Production Lab (1-4)
Independent instruction. Students work on specific technical theatre projects associated with a current theatrical production to be performed during the term. 3-12 lab hrs/wk. F, W, S, Su
TA 271: Introduction to Theatre (4)
This course is for both Theatre majors and non-majors. An overview of theatre history, dramatic literature and theatrical production. A survey of the process of putting a play into performance using lectures, live performances and dramatic literature. What makes theatre an art? The course discusses the role of theatre in culture. 4 lecture hrs/wk. F (odd numbered years)

TA 280: Cooperative Work Experience: Theatre (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

TTL - TRUCK DRIVING

TTL 101: Introduction to Transportation and Logistics (4)
Overview and introduction to the safe operation of a commercial vehicle and the field of logistics. Includes the operation of basic security control systems, coupling and uncoupling a tractor and trailer, cargo handling, and the proper method of conducting pre-trip inspection. Covers applicable federal regulations including hours of service requirements and Commercial Driver’s Licensing (CDL) requirements and distribution channels. Also includes methods of managing speed effectively, responding to road and weather conditions, and accident scene management. Safety is a key component. Prerequisite: Although applicants can take the class at age eighteen, most long-haul employers require drivers to be 23 years of age for insurance purposes. All applicants must have a valid driving record for the past five years; take placement tests scoring 29 on the Reading and 33 on the Numerical Skills; and complete and pass a DOT physical and Drug Screen. 40 lecture hrs/wk. 1 week course.

TTL 121: Practical Applications in Transportation and Logistics (6)
The Introduction to Transportation and Logistics course is designed to help current and/or future warehouse or driver employees learn about the industry, various driving processes, what it takes to be a successful driver and career opportunities within the occupational cluster. Using both lecture and hands-on driving applications, the course covers a wide range of skills needed to become an entry-level trucker. Specific subject areas include an overview of career opportunities and pathways in the industry, federal and state laws and requirements, trucks and related equipment used in the industry, truck systems, specific driving techniques, cargo related issues, and safety and inspection elements. 40 lecture/lab hrs/wk. 3 week course.

TTL 141: Transportation Customer Service Skills (3)
The Transportation Customer Service course is designed to help the current or future warehouse or driver employee learn how to effectively manage customer relations. This course focuses on building service skills for professional drivers and other related occupations to effectively deal with customers and others in the course of the delivery of goods. This course provides learners with a variety of skills and techniques that will ensure customer satisfaction through a professional approach to dealing with the public. 30 lecture hrs/wk. 1 week course.

TTL 281: CWE: Transportation (6)
The Transportation Cooperative Work Experience (CWE) ensures that additional truck driving experience necessary for excellent and reliable driving skills is completed. This workshop covers work processes and procedures at the specific company site where a driver is employed. This course requires students to complete a 16-hour seminar, drive on the road for at least 100 hours with a driver trainer and pass all assessments distributed throughout the session with at least a 95% passing rate.

VC - VISUAL COMMUNICATIONS

VC 111: Introduction to Visual Communications (3)
This course will explore Visual Communications and its importance in modern culture. Upon completion of this course, students will be able to recognize and describe major designers, their work, and specific design movements. Illustration, and other media, will be discussed as they relate to the field of Visual Communications. 3 lecture hrs/wk. F

VC 114: Introduction to InDesign (3)
This course is an introduction to using InDesign, the graphic design industry standard for publication design. InDesign is a very complex application and contains many different tools, some of which are quite difficult to use. Students will become familiar with the features of this program, and gain a basic understanding of how InDesign interfaces with the entire Adobe design software platform. This class is a foundation course for all Visual Communications studies. 2 lecture, 3 lecture/lab hrs/wk. F

VC 121: Layout Basics (3)
Students will learn to use InDesign in order to render documents taking into consideration the principles of Graphic Design. InDesign is the industry standard in graphic design software and can be used to create anything from flyers, posters, ads, webpages and articles to magazines, books and comics. This course is lab-oriented and will provide the student an environment to learn the software and to create basic documents. Students need basic word processing skills before entering the class. 2 lecture, 3 lab hrs/wk. F

VC 130: Introduction to Photoshop (3)
Adobe Photoshop is an indispensable image editing software application. This course is an introduction to using Photoshop for image creating and editing. This course provides an introduction to basic image editing. It is a foundation level course for the Visual Communications Certificate program. 2 lecture, 3 lab hrs/wk. W

VC 134: Introduction to Dreamweaver (3)
Adobe Dreamweaver is the leading software in the industry for professional web development, and is an essential tool for any web designer. In this class students will learn the basics of this software as well as essential practices for professional web design and site development. This course will cover how to use Dreamweaver to manage site files, insert text and images, link pages together, and incorporate and apply basic CSS (Cascading Style Sheets) to font elements. Students will utilize Dreamweaver’s built in CSS Layouts for positioning elements within web pages. Use of tables for laying out tabular data will be covered. Emphasis will be placed on creating intuitive web structures on a basic level. 2 lecture, 3 lab hrs/wk. W

VC 135: Introduction to Flash (3)
Introduces the concepts and techniques of creating animation, sound and interactivity for websites. 2 lecture, 3 lab hrs/wk. S

VC 139: Introduction to Illustrator (3)
This course is designed for the beginning student who wants to learn how to use the popular digital drawing program Adobe Illustrator. This class will be taught bi-platform (Mac OS and Windows) and will focus on learning the nuts and bolts of the software, not an artistic design. Students will learn basic Illustrator skills - how to use the toolbox, the panels, and the menu; how to create simple shapes, work with objects, use layers, work with type, and the use of paths, special effects, color, and fills. This class is a prerequisite for ART 221, Illustration for Designers. 2 lecture, 3 lab hrs/wk. S

VC 151: Digital to Print (3)
This course is an introduction to preparing documents for a variety of print and other output options. Students will learn how to link Photoshop images, Illustrator graphics and InDesign page layouts while considering the correct choices for output requirements. This course introduces creating PDF output files for multiple distribution types and also covers collaborative editing as well as preflight checking before distribution. It is a foundation level course for the Visual Communications Certificate program. 2 lecture, 3 lab hrs/wk. W
VE 101: Introduction to the Wine Industry (1)
Current and historical importance of the grape and wine industry in Oregon and throughout the world as it applies to the development of a vineyard for wine production, including career opportunities and college-transfer opportunities. 1 lecture hr/wk. F, W, S, Su

VE 102: Integrated Pest Control for Grapes (4)
Theory and practice of integrated pest control in grape growing, including biology of diseases and common insects, rodents, birds, and animals. 3 lecture, 3 lab hrs/wk. S

VE 103: Vineyard Soils, Plant Nutrition & Irrigation(4)
Basic principles of soil science, mineral nutrition and plant/water relationships for grape production. 3 lecture, 3 lab hrs/wk. Su

VE 110: Vineyard Practices I (4)
Vineyard practices for the fall season, including ripening patterns of different grape varieties and pruning vines. Emphasis on practical application of viticulture theory. 3 lecture, 3 lab hrs/wk. F

VE 111: Vineyard Practices II (4)
Vineyard practices for winter season, including growth cycles, frost damage, field trials, sales contracts, labor relations and the relationship of pruning to wine quality. Emphasis on practical applications of viticulture theory. 3 lecture, 3 lab hrs/wk. W

VE 112: Vineyard Practices III (4)
Vineyard practices for the spring and summer seasons, including mellow control, grape sampling and advanced pruning. Emphasis on practical applications of viticulture theory. 3 lecture, 3 lab hrs/wk. S

VE 201: Winemaking for Viticulturists (3)
The science of winemaking from the vineyard to the winery. Students will produce their own wine. Students must be at least 21 years of age. Laboratory materials fee. 2 lecture, 3 lab hrs/wk. F

VE 202: Sensory Evaluation of Wine (3)
Introduction to wine sensory evaluation, including statistical analysis of trials; study of wine styles; sensory testing techniques; identification of wine traits. Sensory evaluation of representative wines. Laboratory materials fee. Must be at least 18 years of age. 2 lecture, 2 lecture/lab hrs/wk. W

VE 203: Wines of the World (1)
History, viticultural practices and winemaking styles of major wine regions, including particulars about climate, soil, varietals and unique facets of each. Class includes sensory assessment of representative samples. Students must be at least 18 years of age. 2 lecture/lab hrs/wk. F

VE 204: Wines of the Pacific Coast (1)
History, viticultural practices and winemaking styles of the Pacific region, including particulars about climate, soil, varietals and unique facets of Chile, Argentina, California, Oregon, Washington, and British Columbia. Class includes sensory assessment of representative samples. Students must be at least 18 years of age. 2 lecture/lab hrs/wk. W

VE 205: Wines of Oregon (1)
History, viticultural practices and winemaking styles of Oregon including particulars about climate, soil, varietals and unique facets. Class includes sensory assessment of representative samples. Students must be at least 18 years of age. 2 lecture/lab hrs/wk. S

VE 209: Laboratory Analysis of Musts and Wines (4)
Winery laboratory practices, including basic principles, techniques and common methods of analysis for musts and wines. Laboratory methods used to determine when to add amendments to wines and how to stabilize and clarify wines. Laboratory materials fee. 3 lecture, 3 lab hrs/wk. F

VE 210: Science of Winemaking I (5)
Wine production theory and hands-on practice of harvest activities including: winery materials, safety, equipment sanitation, crushing, pressing and fermentation. Registration-Enforced Prerequisite: GS 105. 4 lecture, 3 lab hrs/wk. F

VE 211: Science of Winemaking II (5)
Wine production theory and hands-on practice of basic cellar activities including: racking, fining, filtration, oak science, barrel management, and barrel alternatives. Registration-Enforced Prerequisite: GS 105. 4 lecture, 3 lab hrs/wk. W

VE 212: Science of Winemaking III (5)
Wine production theory and hands-on practice of cellar finishing and bottling activities including: additions, filtration, blending, bottling equipment, bottling materials, bottling sanitation and quality control, evaluation of wine flavor and aroma, and regulatory compliance. Students must be at least 18 years of age. Registration-Enforced Prerequisite: GS 105. 4 lecture, 3 lab hrs/wk. S

VE 223: Wine Marketing (3)
Wine marketing methods, including packaging, distribution, advertising and promotion. 3 lecture hrs/wk. S

VE 280: Cooperative Work Experience: Viticulture/Enology (1-13)
Course content is dependent upon the nature of the job position and season. Acceptable practicum activities include vineyard and winery operations, tasting room operations, winery sanitation, racking, bottling, chemical analyses, marketing, hospitality and tourism. 33 hours = 1 credit. Prerequisite: instructor approval. F, W, S, Su

WLD - WELDING

WLD 101: Welding Processes and Applications (4)
Covers welding processes, safety, equipment, and essential variables of operation. This is an outcome based course utilizing a lecture/lab format. This course includes, but is not limited to: classroom discussions, multimedia presentations, and lab demonstrations covering technical skills. 2 lecture; 4 lab hrs/wk. Prerequisites: instructor approval.

WLD 111: Shielded Metal Arc Welding (4)
Covers uses, safety, nomenclature, equipment operation, set-up and shutdown procedures and welding-related math and science for S.M.A.W. and O.A.C. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 8 lecture/lab hrs/wk.

WLD 112: Shielded Metal Arc Welding: Mild Steel II (3)
Develops knowledge and manipulative skills in the use of E7018 mild steel electrodes when performing various welds in flat and horizontal positions. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.

WLD 113: Shielded Metal Arc Welding: Mild Steel II (3)
Develops knowledge and manipulative skills in the use of E7018 mild steel electrodes when performing various welds in vertical and overhead positions. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.
WLD 114: Shielded Metal Arc Welding: Mild Steel III (3)
Develops knowledge and manipulative skills in the use of E6011 mild steel electrodes when performing various welds in flat, horizontal, and vertical positions. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.

WLD 121: Gas Metal Arc Welding (3)
Develops knowledge and manipulative skills welding with solid wire on ferrous and non-ferrous materials using short circuit globular, and spray transfer modes in flat, horizontal, vertical, and overhead positions. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.

WLD 122: Gas Metal Arc Welding-Pulse (3)
Develops knowledge and manipulative skills using the Gas Metal Arc Welding-Pulse transfer process on common mild steel and aluminum joints in all positions. Covers safety, users, nomenclature, equipment operation and set up and shut down procedures. This is an outcome based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.

WLD 123: Advanced Welding III (3)
Designed to provide the advanced welding student additional lab time to develop welding skills and techniques. The use of shop prints will be encouraged. Prerequisite: Instructor approval. 9 lab hrs/wk. F, W, S

WLD 124: Advanced Welding IV (3)
Designed to provide the advanced welding student additional lab time to develop welding skills and techniques. The use of shop prints will be encouraged. Prerequisite: Instructor approval. 9 lab hrs/wk. F, W, S

WLD 131: Basic Metallurgy (3)
Covers the principles related to metals, their structure and physical properties. The testing of various metals, their uses and the results of heat treating are explored. Laboratory time is provided for experiments and demonstrations to correlate with classroom activities. 2 lecture, 3 lab hrs/wk. F

WLD 140: Blueprint Reading & Sketching (3)
A basic course in sketching and reading of shop drawings. A study is made of three-view drawings, pictorial drawings, dimensioning, tolerancing, lines, note and symbol interpretation. 3 lecture hrs/wk. W

WLD 141: Flux-Cored Arc Welding I (Gas Shielded) (3)
Develops knowledge and manipulative skills in the gas shielded flux-cored arc welding process in flat, vertical, horizontal, and overhead positions. Covers safety, users, nomenclature, equipment operation and set-up and shut-down procedures. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.

WLD 142: Flux-Cored Arc Welding II (Self Shielding) (3)
Develops knowledge and manipulative skills in the self-shielding arc welding process in flat, vertical, horizontal, and overhead positions. This is an outcome-based course utilizing a lecture/lab format. This course includes classroom discussions, videotapes, and lab demonstrations of technical skills. Registration-Enforced Prerequisite/Co-requisite: WLD 101 1 lecture/4 lecture/lab hrs/wk.

WLD 161: Welding Problems (4)
A review and application of the welding, layout, and fabrication processes covered during the year. A study and practice of production welding methods, electrode consumption, and method selection is included. Fabrication and assembly projects are selected to present typical and pattern development in fabrication and production problems. Prerequisite: Satisfactory completion of first and second terms. 1 lecture, 9 lab hrs/wk. F, W, S

WLD 280: Cooperative Work Experience: Welding (1-13)
Qualified students work at training sites that provide experience appropriate to their major. These experiences will provide the opportunity for students to gain knowledge of various tasks performed in their career field. A student may take any number of CWE credits per term, not to exceed 13 credits per year. Registration-Enforced Prerequisite: Instructor approval. 1 credit = 33 hours of lab.

WQT - WATER/WASTEWATER QUALITY

WQT 130: Water Treatment Plant Operations (3)
This course is designed to give operators the knowledge in safe and effective operation and maintenance of drinking water treatment water plants. The course covers such topics as: sources of water, water quality problems and treatments; various water treatment processes, causes of tastes and odors in water and their control; and hazards of working in a treatment plant. 3 lecture; hrs/wk. F

WQT 225: Wastewater and Storm Water Collection (3)
Course introduces the basics of design, operation, and maintenance of wastewater and storm water collection systems. The course will help students prepare for the Level I Wastewater Collection exam. Course includes pipe sizing, pipe slopes and flow velocities, general system components, and installation, inspection, testing and repair techniques. Elementary street construction and drainage design are also studied in conjunction with storm drainage. Field trips may be made to existing facilities and work under construction. Registration-Enforced Prerequisite: MTH 095. Registration-Enforced Co-requisite: MTH 111. 3 lecture hrs/wk. W

WQT 227: Wastewater Treatment (3)
This course covers the fundamentals of wastewater treatment facilities, including operation and maintenance of facilities. Course will help students prepare for the Level II Wastewater Treatment Operator Certification exam. Registration-Enforced Prerequisite: MTH 095. Registration-Enforced Co-requisite: MTH 111. 3 lecture hrs/wk. W

WQT 260: Water Treatment (3)
This course covers the fundamentals of water treatment facilities, including operation and maintenance of facilities. Registration-Enforced Prerequisite: MTH 095. Registration-Enforced Co-requisite: MTH 111. 3 lecture hrs/wk. W, S

WQT 261: Water Distribution (4)
This course covers the fluid mechanics for pressure systems and operation and maintenance of water distribution systems. The fundamental properties of fluids, hydraulic pressure, fluid flow and energy distribution are covered for closed systems. The solution of practical, applied problems is emphasized. Operators and engineering technicians learn to analyze and solve problems when they occur and perform mathematical calculations commonly associated with operating a distribution system. Registration-Enforced Prerequisite: MTH 095. Registration-Enforced Co-requisite: MTH 111. 4 lecture hrs/wk. W

WQT 290: In-Plant Practicum (3-12)
Cooperative work experience specifically working in water or wastewater operations. Variable credits (3-12). Registration-Enforced Prerequisite: Instructor approval. F, W, S, Su
WR 080, 081, 082: Writing Skills Lab (1)
This course offers supplementary instruction to students enrolled in UCC courses requiring written assignments at, or above, the WR 115 level. Tutorial and practice software and one-on-one tutoring will be used for individual skill development. Upon completion of WR 80 students may repeat the course two times by registering for WR 081 and WR 082.

WR 090: Writing Skills (3)
Students will strengthen their current writing skills and discover new ways to express thoughts, opinions, and experiences through the process of writing. In that process, they will learn how to come up with ideas and how to organize them in paragraphs. They will also develop and practice essential sentence skills, including sentence construction and proper word choice. Word processing for drafting and revising papers will be introduced. Successful completion of this course prepares a student for WR 095. Registration-Enforced Prerequisite: Placement Test 3 lecture hrs/wk. F, W, S, Su

WR 095: College Writing Fundamentals (3)
Students will apply the steps in the process of writing, including pre-writing, composing,and revising, to develop paragraphs and essays. They will also improve sentence skills necessary for communicating their ideas most fully and flexibly. Students will use the word processor as a writing tool. Successful completion of this course prepares a student for WR 115. Registration-Enforced Prerequisite: WR 090 or equivalent with a grade of C or better or placement test. 3 lecture hrs/wk. F, W, S, Su

WR 115: Introduction to Expository Writing (3)
Designed for students who need improvement in writing skills. Special emphasis will be placed on sentence construction, grammar, usage, spelling, vocabulary, and paragraph and essay development. Students will write essays based on selected rhetorical modes, including a selection of the following: narrative description, definition/concept, comparison/contrast, process analysis, classification/division, and cause/effect. The final essay in WR 115 is a persuasive essay that introduces students to the basics of argumentation and academic discourse. Students will also learn the basics of MLA format and documentation. Registration-Enforced Prerequisite: WR 095 with a grade of C or better or Compass placement scores of 56-77 in writing; RD 080 with a grade of C or better or Compass placement test score of 71 or above in reading. In addition, basic knowledge of how to use a computer for word processing is necessary for success in this course. 3 lecture hrs/wk. F, W, S, Su

WR 121, 122, 123: English Composition (3,3,3)
The three courses comprise the basic college transfer writing program at UCC, corresponding to the composition programs at all Oregon University System schools. The courses incorporate the computer-assisted Writing Lab; all compositions must be computer generated.

WR 121: English Composition: Intro to Argument
WR 121 improves writing, reading, and critical thinking skills, preparing students to succeed in future college classes, careers, and personal lives. In a collaborative environment, students write a variety of essays focusing on various aspects of argumentation, including summarizing arguments, examining controversial issues, analyzing effective arguments, and writing an argumentative essay that incorporates sources using the MLA documentation system. Students learn to approach argumentation as a method of inquiry, and learn about the function of discourse communities, questions at issue, enthymemes, counter enthymemes, reasoning and assumptions. Students select and restrict topics, employ academic research skills, formulate claims, develop an academic voice and style, appeal to a particular audience, and thoughtfully evaluate and productively revise their work. Sentence variety, paragraph development, appropriate diction, and conventions of grammar and punctuation are addressed; however, WR 121 is not a grammar course. The quality of ideas in students’ writing, including effective reasoning and presentation of subject matter, is the primary focus of the course. Registration-Enforced Prerequisite: WR 115 with a grade of C or better or Compass placement test scores of 78-99 in writing; RD 090 with a grade of C or better or Compass placement test score of 85 or above in reading. In addition, students should have basic knowledge of how to use a computer for word processing. 3 lecture hrs/wk. F, W, S, Su

WR 122: English Composition: Style and Argument
WR 122 builds on skills of argumentation that are the focus of WR 121. It aims to further strengthen students’ abilities to reason in writing and to encourage writing that is interesting because it is reasonable. Readings and essay topics are at a higher level of complexity than those of WR 121, although the focus remains on concepts introduced in WR 121: the function of discourse communities, questions at issue, enthymemes, counter enthymemes, reasoning and assumptions. The work of the course is the practice of critical thinking in the development of and revision of several substantial argumentative essays in a collaborative environment. Registration-Enforced Prerequisite: WR 121 with a grade of C or better. 3 lecture hrs/wk. F, W, S, Su

WR 123: English Composition: Research
WR 123 stresses the research process and the formulation of a thesis which results in a cogent, well-developed, and documented research paper; it includes extensive library research techniques, bibliographic practice, and exercises in documentation. Registration-Enforced Prerequisite: WR 122 with a grade of C or better. 3 lecture hrs/wk. F, W, S, Su

WR 227: Technical Report Writing (3)
WR 227 stresses principles of writing clear, concise, effective workplace reports. Students learn to gather information, problem solve, interpret data, draft and rewrite the material into informal and formal technical reports. Registration-Enforced Prerequisite: WR 122 with a grade of C or better. 3 lecture hrs/wk. F, W, S, Su

WR 241: Creative Writing: Short Fiction (3)
WR 241 is a creative writing course that requires students to write and revise a body of original short fiction. The elements of fiction writing [theme, characterization, setting, point of view, symbolism and figurative language] are introduced, and students gain a working knowledge of terminology and techniques associated with creative writing. Class activities will include writing exercises, lectures [by guest writers when available], reading discussions, writing workshops and review of publications. Registration-Enforced Prerequisite: WR 121. 3 lecture hrs/wk. F (odd numbered years)
WR 242: Creative Writing: Poetry (3)
In WR 242, students compose and revise a portfolio of original poetry. This creative writing course introduces students to the craft of poetry (including the concepts of theme, style, tone, metaphor/allusion, point of view, symbolism and figurative language), and students gain a working knowledge of terminology and techniques associated with creative writing. Class activities include writing exercises, lectures (by guest writers when available), reading discussions, writing workshops and review of publications. Registration-Enforced Prerequisite: WR 121. 3 lecture hrs/wk. W (even numbered years)

WR 243: Creative Writing: Mixed Genre (3)
WR 243 is a creative writing course that requires students to write and revise a body of creative work, to research potential markets for that work, (including anthologies, literary journals, and web-based venues), and submit creative work to several markets. Students may choose to focus on creating poetry or prose in this course. The elements of writing (theme, characterization, setting, point of view, symbolism and figurative language) are reinforced, and preparing creative work for potential publication (formatting and revision) will be detailed. Class activities will include writing exercises, lectures (by guest writers when available), reading discussions, writing workshops and review of publications Registration-Enforced Prerequisite: WR 121. 3 lecture hrs/wk. S (even numbered years)

WS - WOMEN’S STUDIES
WS 101: Introduction to Gender and Women’s Studies (4)
Introduction to Gender and Women’s Studies examines gender as a socially constructed category that shapes personal identities, beliefs, opportunities, experiences, and behaviors. The course also introduces students to past and present achievements of women and analyzes problems and challenges women face today. 4 lecture hrs/wk. F
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How to get to UCC
Easy I-5 access. Take exit 129. If coming from the south, turn right at the stop, and left onto Umpqua College Road. If coming from the north, turn left at the stop sign, and left at the next stop sign, turn right, less than a quarter mile, at Umpqua College Road. Umpqua Community College is about one mile down the road.

Parking
Umpqua Community College provides more than 450 parking spaces conveniently located near all the campus buildings. Of these, about 171 are assigned to college faculty and staff.

All employees are given a yearly parking permit. Designated parking spots for employees are marked by green lines, curbs and employee only signage. All part-time and full-time students also receive a yearly parking permit. Designated parking spots for students are marked by yellow lines, curbs and student only signage. All white marked lines and curbs are regarded as open parking. These spots are available to everyone. There are 14 parking spots clearly designated for the college Motor Pool and off limits to general parking. Red zones are usually fire related areas and are considered restricted lanes and zones with no parking allowed at any time.

Visitor Parking — Visitor parking is clearly divided into 2 separate areas. One area is 30 minute visitor only and the other is Visitor Day parking only. All areas are designated by purple curbs, lines, and signage. The 30 minute only is for non-student activities and strictly enforced. The Visitor Day parking is for specific day use only with one day permits available at the front desk of the Administrative Building or in advance through the UCC Security Department.

Disabled Person Parking — Special stickers are required for parking in clearly marked Disabled Parking spaces. These stickers are issued at the Oregon Division of Motor Vehicles.
off-campus locations

We're in the heart of Douglas County in south-western Oregon. Easy I-5 access. Take exit 129. Coming from the south, turn left at the stop light, and right onto Umpqua College Road. From the north turn left at the stop sign, and left at the next stop sign. Turn right, less than a quarter mile, at Umpqua College Road. Umpqua Community College is about a mile down the road.
district map

Zone 1
Betty Tamm

Zone 2
Elin Miller

Zone 3
Wendy Weikum

Zone 4
Sharon Rice

Zone 5
Bob Bell

Zone 6
Joe Yetter

Zone 7 (at large)
Vanessa Becker
Want a strong start with smaller classes and lower tuition — close to home?

Now, you can take lower division collegiate courses anytime, anywhere! Literally!

UCC’s “anytime, anywhere” schedule for the Associate of Arts Oregon Transfer degree allows you to earn an AAOT online or in the evening, either exclusively or in combination, in four years (for students taking a minimum of eight credit hours per term).

Of course, these classes are still available during the “day”: students who take courses online or in the evening may take others during the day.

With UCC’s anytime, anywhere online and evening schedule, you begin a four-year degree even if work or family considerations make coming to the Roseburg campus difficult or impossible — and you still get the same small classes, individual attention from great instructors and low tuition.

What could be more convenient?

Visit the Transfer Education section of this catalog for more information.