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<td>Continuing Education</td>
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Rogue Community College District

Redwood Campus
3345 Redwood Hwy.
Grants Pass, OR 97527
541-956-7500
Oregon Telecom Relay Service, 711

Small Business Development Center
Historic City Hall
214 S.W. Fourth St.
Grants Pass, OR 97526
541-956-7494

Esther Bristol Education Center
350 S.W. H St.
Grants Pass, OR 97526
541-956-7490

Illinois Valley Business Entrepreneurial Center
Kerby Belt Building
24353 Redwood Hwy.
Kerby, OR 97531
541-956-7275

Illinois Valley Learning Center
Kerby Belt Building
24353 Redwood Hwy.
Kerby, OR 97531
541-956-7455

Redwood Campus GED® Learning Center and Adult Basic Skills (ABS)
K Building
3345 Redwood Hwy.
Grants Pass, OR 97527
541-956-7253

Riverside Campus
114 S. Bartlett St. (mailing)
Medford, OR 97501
541-245-7500
Oregon Telecom Relay Service, 711

A Building
202 S. Riverside Ave.

B Building
227 E. Ninth St.

C Building
130 E. 8th St.

Central Library
205 S. Central Ave

G Building
117 S. Central Ave.

RCC/SOU Higher Education Center
101 S. Bartlett St.
541-552-8100

Riverside Campus Learning Center
G Building
117 S. Central Ave.
Medford, OR 97501
541-245-7701

Table Rock Campus
7800 Pacific Ave.
White City, OR 97503
541-245-7500
Oregon Telecom Relay Service, 711

Workforce Training Center
7800 Pacific Ave.
White City, OR 97503
541-245-7900
(800) 460-6766

Table Rock Campus Learning Resource Center
7800 Pacific Ave.,
White City, OR 97503
541-245-7820
### 2016-2017 ACADEMIC CALENDAR

#### Term Dates

<table>
<thead>
<tr>
<th>Term</th>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
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<td>February 2017</td>
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<tr>
<td>March 2017</td>
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<tr>
<td>April 2017</td>
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<tr>
<td>May 2017</td>
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<tr>
<td>June 2017</td>
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</tr>
</tbody>
</table>

### Dates

- **Priority registration**: May 23
- **New student/open registration**: May 27
- **New Student Welcome Days**: Sept. 20
- **Foundation scholarship applications available**: Jan. 9
- **Graduation application deadline**: Feb. 20
- **Foundation scholarship application deadline**: Feb. 28
- **Deadline to add or drop classes**: July 20
- **Withdraw period begins**: July 21
- **Deadline to pay for classes**: July 21
- **First refund date**: July 21
- **Second tuition installment deadline**: Aug. 11
- **Honors night/PTK induction**: April 21
- **Foundation awards ceremony**: May ?
- **Federal Direct Loan application deadline**: Aug. 25
- **Last tuition installment deadline**: Aug. 25
- **Last day to withdraw or change to audit**: Aug. 11
- **Book buy back**: Aug. 31–Sept. 1

### Dates of Special Events

- **Commencement**: June 17
- **Inservice Week**: Sept. 19–Sept. 23
- **Independence Day**: July 4
- **Veterans Day**: Nov. 11
- **Memorial Day observed**: May 29

### Important Dates

1. Advising is required before registering for credit classes.
2. Deadline for students graduating at the end of spring or summer term, visit www.roguecc.edu/Commencement/ApplyingforGraduation.asp.

### Rogue Central and Counseling Department Hours

<table>
<thead>
<tr>
<th>Location</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redwood Campus</td>
<td>8 a.m.-5 p.m. Monday, Wednesday, Thursday, Friday; 8 a.m.-6 p.m. Tuesday*</td>
</tr>
<tr>
<td>Riverside Campus</td>
<td>8 a.m.-5 p.m. Monday, Wednesday, Thursday, Friday; 8 a.m.-6 p.m. Tuesday*</td>
</tr>
<tr>
<td>Table Rock Campus</td>
<td>8 a.m.-5 p.m. Monday, Wednesday, Thursday, Friday; 8 a.m.-6 p.m. Tuesday*</td>
</tr>
</tbody>
</table>

*Close at 5 p.m. during term breaks and summer term.

### Contact Information

- **Email**: Rogue Central at rcs@roguecc.edu or call 541-956-7501.
www.roguecc.edu/StrategicPlan

Mission
Rogue Community College provides quality education to help learners achieve their goals and to support the social, civic, cultural and economic vitality of our diverse community.

Goals for 2015-19
Goal A: Increase student enrollment and retention by targeting programs and services that reflect the needs and diversity of the region.
Goal B: Improve student persistence toward and completion of their stated goals.
Goal C: Maintain affordability for students and invest in innovation to support the long-term stability of the College.
Goal D: Develop the College infrastructure to support students, programs, personnel, facilities and systems.
Goal E: Engage with internal and external communities in charting the future of the College.

Core themes
Advance student learning
Promote student access and success
Strengthen our diverse communities
Model stewardship

Core values
Excellence
Integrity
Respect
Innovation
Stewardship

Welcome to RCC
RCC is a regionally accredited, comprehensive, two-year public college serving Jackson and Josephine counties on three campuses:
1. Redwood Campus (Grants Pass)
2. Riverside Campus (Medford)
3. Table Rock Campus (White City)
Other learning sites include the Small Business Development Center and Esther Bristol Education Center, Illinois Valley Business Entrepreneurial and Illinois Valley Entrepreneurial centers — all in Josephine County.

Authority and Governance
The College is one of 17 community colleges in the state, each independently governed by its own local Board of Education, and managed by the Department of Community Colleges and Workforce Development (CCWD) under the Higher Education Coordinating Commission (HECC) for the state of Oregon.
CCWD is granted legal authority for approval of courses and curricula through Chapter 589, Division 6 of Oregon Administrative Rules adopted by the State Board of Education under Chapter 341 of Oregon Revised Statutes.
HECC and CCWD, in coordination with the State Board are responsible for distribution of state aid, review and approval of new programs and courses, and governance rules for Oregon community colleges.
In addition, the Oregon Community College Association serves as liaison between the colleges, state legislators, and partners on issues from funding to legislative policy, special studies, and reports.

Accreditation
www.roguecc.edu/Accreditation
RCC has been continuously affirmed for accreditation since 1971. It is accredited by the regional authority — Northwest Commission on Colleges and Universities (NWCCU). NWCCU is recognized by and accountable to the U.S. Department of Education. NWCCU establishes the standards and processes by which public and private colleges and universities in the region are evaluated every two years to ensure student learning through quality education and overall college effectiveness. Accreditation
also qualifies RCC for federal grants and other funding, including financial aid for students enrolled at the College.

**Americans with Disabilities Act**

RCC does not discriminate on the basis of disability in admission to, access to, or operation of its instruction, programs, services or activities, or in its hiring and employment practices. The college provides reasonable accommodation to facilitate the participation of individuals with legally protected disabilities.

**Budget**

For information please visit www.roguecc.edu/Budget.

**Campus crime awareness/security**

The safety of students, faculty, staff, and guests is a top priority at RCC. Safety is a cooperative effort, and it is the responsibility of each individual to assure a safe campus. RCC prepares an annual security report to comply with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act. Institutions of higher education are required to distribute to all current students, employees, and applicants for enrollment or employment two types of information: descriptions of policies related to campus security and statistics concerning specific types of crimes. This information is disclosed in the annual security report published by October 1 each year. For more information regarding safety/security or in order to obtain a copy of the annual security report, contact Human Resources or visit www.roguecc.edu/Safety.

**Closures**

If inclement weather conditions or other hazardous or emergency conditions require closure of one or more campuses, announcements will be made over local radio and television stations starting at 6 a.m. for day classes and 4 p.m. for evening classes. Information is also sent out to students using the emergency notification system, and to students and the public through postings on www.roguecc.edu and RCC social media accounts.

**Consumer information**

All consumer information is available in hard copy at Rogue Central on any RCC campus.

### Electronic communication

RCC primarily communicates with students via email. When applying for admission, provide a valid email address, and check regularly for messages from the college.

### Foundation

**www.RCCFoundation.org**

H Building, Redwood Campus, 541-956-7327

The RCC Foundation is a private, non-profit organization that accepts tax-deductible gifts and bequests, sponsors fund-raising events, and makes funds available in support of students and the college.

Today, the RCC Foundation has more than $7.4 million in assets and supports the college through scholarships and direct funding to programs.

### Faculty and staff

**www.roguecc.edu/Directory**

RCC employs approximately 315 regular employees: 46 exempt staff, 87 full-time faculty, 160 full-time classified, and 20 part-time classified staff. In addition, the college employs more than 450 adjunct faculty.

### Instructional Services

The RCC Instructional Services Division is divided into four schools under which the academic departments are aligned.

#### School of Arts/Technology

- Art
- Business
- Computer Science
- Humanities/Foreign Languages/Music
- Mathematics
- Small Business Development Center/
- Small Business Management /Illinois Valley
- Business and Entrepreneurial Center

#### School of Health/Public Service

- Allied Health Occupations
- Criminal Justice
- Early Childhood/Elementary Education
- Emergency Services

#### School of Science/Technology

- Apprenticeship
- Automotive
- Diesel
- Electronics
- Landscape
- Manufacturing
- Science
- Welding

#### School of Workforce/College Preparation

- Adult Basic Skills
- Academic Skills
- Commercial Truck Driving
- Community Education
- Continuing Education
- CWE Coordination
- Educational Partnerships
- High School Drivers Training
- Human Services
- Individualized Career Training
- Library
- Social Science
- Testing and Tutoring Centers
- Workforce Training

Curriculum and Scheduling reports directly to the Vice President of Instruction.

### Students

In the 2014-15 school year, approximately 16,584 students enrolled at RCC. That number represents a full-time equivalent (FTE) of 4,881.45 students.
Frequently called numbers
www.roguecc.edu/Directory

New to RCC? Go to www.roguecc.edu/Students/start.asp or www.roguecc.edu and click on "New Students."

<table>
<thead>
<tr>
<th>Redwood</th>
<th>Riverside</th>
<th>Table Rock</th>
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<tbody>
<tr>
<td>Main Number</td>
<td>541-956-7500</td>
<td>541-245-7500</td>
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<tr>
<td>Admission</td>
<td>541-965-7179</td>
<td>541-245-7574</td>
</tr>
<tr>
<td>Adult Basic Skills (ABE/GED/ESL)</td>
<td>541-956-7253</td>
<td>541-245-7701</td>
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<tr>
<td>Bookstore (Textbooks)</td>
<td>541-956-7160</td>
<td>541-245-7591</td>
</tr>
<tr>
<td>Community Education</td>
<td>541-956-7303</td>
<td>541-956-7303</td>
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<tr>
<td>Computer Labs</td>
<td>541-956-7424</td>
<td>541-245-7534</td>
</tr>
<tr>
<td>Counseling/Advising</td>
<td>541-956-7192</td>
<td>541-245-7552</td>
</tr>
<tr>
<td>Disability Services</td>
<td>541-956-7337**</td>
<td>541-245-7537**</td>
</tr>
<tr>
<td>Library</td>
<td>541-956-7152</td>
<td>541-245-7512</td>
</tr>
<tr>
<td>Online Registration Help</td>
<td><a href="mailto:RCS@roguecc.edu">RCS@roguecc.edu</a></td>
<td><a href="mailto:RCS@roguecc.edu">RCS@roguecc.edu</a></td>
</tr>
<tr>
<td>Placement Testing</td>
<td>541-956-7112</td>
<td>541-245-7552</td>
</tr>
<tr>
<td>Rogue Central (Financial Aid, Registration, Cashier)</td>
<td><a href="mailto:RCS@roguecc.edu">RCS@roguecc.edu</a></td>
<td><a href="mailto:RCS@roguecc.edu">RCS@roguecc.edu</a></td>
</tr>
<tr>
<td>Student Employment</td>
<td>541-956-7501</td>
<td>541-245-7762</td>
</tr>
<tr>
<td>Student Records</td>
<td>541-956-7427</td>
<td>541-956-7501</td>
</tr>
<tr>
<td>Testing Center</td>
<td>541-956-7340</td>
<td>541-245-7762</td>
</tr>
<tr>
<td>Transcripts, order info</td>
<td>541-956-7427</td>
<td>541-956-7427</td>
</tr>
<tr>
<td>Tutoring Centers</td>
<td>541-956-7340</td>
<td>541-245-7777</td>
</tr>
<tr>
<td>Veterans Educational Benefits</td>
<td>541-956-7109</td>
<td>541-245-7738</td>
</tr>
</tbody>
</table>

Social media at RCC
Stay in touch with Rogue Community College through the following online services:

- **facebook.com/pages** Rogue-Community-College/40028093118 Facebook is social networking site that lets users create profiles, upload photos and videos, send messages, and keep in touch with others.
- **twitter.com/#!/roguecc** A social broadcasting service that allows users to communicate through short text-based posts or "tweets" of up to 140 characters.
- **web.roguecc.edu/marketing-and-recruitment/psas** Really Simple Syndication, or RSS, feeds your favorite news sources to one location.

Toll free outside Grants Pass/Medford/White City calling areas, 800-411-6508
*Ext. = Enter extension number after calling main number
** Persons with hearing impairments use Oregon Telecom Relay Service, 711
RCC website .................................................. www.roguecc.edu

The RCC Catalog is a publication of Rogue Community College. Every effort is made to ensure accuracy at the time of printing; however, the information contained herein is not to be regarded as an irrevocable contract between a student and the college.

RCC reserves the right to change or cancel a class at any time and to alter stated policy of the RCC Board of Education.

The catalog is produced by the Marketing Department. For information, call Carmen Sumner, assistant director of Marketing, 541-956-7114.
Admissions and Registration

Get Ready to start college
1. Get admitted at www.roguecc.edu/students/start.asp. You will begin receiving important emails from RCC.
2. Sign up for a placement test at www.roguecc.edu/PlacementTest or send official college transcripts to Rogue Central, 3345 Redwood Hwy., Grants Pass, OR 97527.
3. Apply for financial aid at www.fafsa.gov. RCC's school code is 010071.
4. Complete your New Student Orientation (NSO). Log in to your myRogue account, select New Student Orientation, and complete the NSO before you register for classes.
5. Explore the programs that RCC has to offer at www.roguecc.edu/academics.

Get Set to register
6. Attend an Advising and Registration Clinic to learn how to prepare, plan, and register for your courses. View the schedule and sign up at: web.roguecc.edu/counseling/advising-registration-clinics.
7. Log in at www.roguecc.edu/myRogue. Register for the classes on your "program planner," including .123 Next Step Advising, which will provide important resources and advising for your second term.
8. Pay tuition and fees online or check your financial aid status at www.roguecc.edu/myRogue.
9. Buy textbooks and supplies at any RCC bookstore or www.roguecc.edu/Bookstore.
10. Get your RCC Student Body card from Student Services. You'll need to show a photo ID.

Go to class
12. Students who do not attend classes during the first week of the term will be dropped unless the absence has been approved by the instructor.

NOTES:
- Students with a disability may request placement test or academic accommodations by calling 541-245-7537 at the Riverside Campus in Medford or 541-956-7337 at the Redwood Campus in Grants Pass.
- If you want to take a class for personal enrichment, but not for credit, visit www.roguecc.edu/CommunityEd.

Need help? Contact Student Services —
Redwood Campus, 3345 Redwood Hwy., Grants Pass • 541-956-7192
Riverside Campus, 117 S. Central Avenue, Medford • 541-245-7552
Table Rock Campus, 7800 Pacific Ave., White City • 541-245-7863

Check your email often
RCC communicates with students primarily by email.
When applying for admission, provide a valid private email address, and check regularly for messages from the college.

Admission policy
All adults 18 years and older may be admitted to RCC.
Questions may be directed to the enrollment specialists at enrollspec@roguecc.edu.

Enrollment limitations
The college may restrict enrollment in a class or program due to limited space, staff or equipment. Enrollment also is limited for some programs or classes due to special admission requirements such as minimum age, safety issues, or criminal background.

Limited entry programs
Apprenticeship, Dental Assistant, Emergency Medical Services, Human Services, Massage Therapy, Medical Administrative Assistant, Medical Assistant, Medical Coding Specialist, Nursing, Paramedicine, Occupational Skills Training, Occupational Therapy Assistant, Pharmacy Technician, Phlebotomy, Physical Therapy Assistant, Practical Nursing, and Sterile Processing Technician have their own applications and admissions requirements. Enrollment is limited and admission is not guaranteed. See the “Programs of Study” section of this catalog for specific requirements and contact information.

NOTE: Some health care programs require students to submit verification of certain immunizations and medical tests.

International admission
RCC is authorized under federal law to enroll non-immigrant students. International admission applications are available online: www.roguecc.edu/Students/start.asp.
- All applicants must be proficient in the English language with a score of 490 or greater on the Test of English as a Foreign Language (TOEFL), or ELS proficiency level 109, or equivalent.
- International students are required to take a placement test and attend orientation.
- Students must be enrolled full-time (12 or more credits) and successfully complete 12 or more credits each term to remain in good standing with the U.S. Bureau of Immigration and Customs Enforcement.

Students will be notified of their admission status by mail after all of the application materials are received and verified. For more information about the international student admission process, contact the enrollment specialists at enrollspec@roguecc.edu.
Underage enrollment standards for credit classes

Prospective students under 18 years of age who have not graduated from high school or completed a GED* must submit an Underage Enrollment Form and complete a placement test. Test scores must meet the minimum placement levels for a students’ major program, which usually means testing above RD30 and WR30. Underage prospective students must provide verification of home schooling or GED completion if not enrolled in public or private high school.

Underage students may be approved for enrollment in credit classes when:

- Participation is not likely to create a health or safety risk for any person.
- Enrollment is not in violation of federal or state statutes or regulations.
- The student has the ability to benefit from college-level instruction.
- The student’s level of development is deemed appropriate for the course content and instructional strategies.

The college reserves the right to approve or deny the request for enrollment by underage students. Classes that consist primarily of extensive field experiences may have additional requirements.

Advising and Registration labs

These one-hour clinics provide newer students with the opportunity to learn how to prepare, plan and register for next term’s courses and to continue these practices throughout the college experience.

In a group setting of up to 18, students learn the ins and outs of self-advising and registration and get answers from fellow students as well as professional advisers.

For more information, and to register for a clinic, contact the Counseling Department at:
- RVC in Medford: 541-245-7552
- RWC in Grants Pass: 541-956-7192

Assessment services Placement testing

www.roguecc.edu/PlacementTest

Placement tests enable students and their advisers to assess students’ academic readiness. The scores help advisers ensure students take classes appropriate to their academic skill levels. Students take an untimed, user-friendly computerized test.

Students who plan to enroll in any course with a prerequisite or intend to pursue a degree or certificate must take a placement test. The following classes have no prerequisites and do not require a placement test:

- ART115 Basic Design (Composition)
- ART116 Basic Design (Color Theory)
- ART131 Introduction to Drawing (Value)
- ART132 Introduction to Drawing (Line)
- ART133 Introduction to Drawing (Mixed Media)
- ART234 Figure Drawing I
- ART237 Illustration (Black and White Media)
- ART238 Illustration (Color Media)
- ART239 Illustration (Perspective)
- ART253 Ceramics I
- ART257 Beg. Jewelry and Metalsmithing
- ART276 Sculpture I
- ART281 Painting I
- ART287 Aquacious Media
- ART294 Watercolor I
- CG100 College Success and Survival
- CS60 PC Basics (Introductory computer class)
- HE112 First Aid
- HE261 CPR
- MUP102 Concert Band
- MUP105 Jazz Ensemble
- MUP106 Percussion Ensemble
- MUP142 Chamber Orchestra
- MUS131 Class Piano I
- MUS135 Beginning Hand Drums
- MUS137 Group Guitar – Beginning
- MUS220 Chorus
- PE185 Physical Education (activity course)
- TA141 Fundamentals of Acting
- TA144 Improvisational Theater

NOTE: Students receiving financial aid are limited to taking the required and elective courses in the graduation guide for their declared major.

A placement test may be waived based on any one of the following conditions:

- An official transcript in a sealed institutional envelope with successfully completed college-level reading and math classes.
- Placement test results from another college.
- An SAT transcript with scores of 500 or higher in writing and 470 or higher in math.

For more information about placement test waivers, contact the enrollment specialists at enrollspec@roguecc.edu.

To request a placement test with accommodations due to a disability, contact Disability Services:
- Redwood Campus, 541-956-7337, or Oregon Telecom Relay Service, 711
- Riverside Campus, 541-245-7537, or Oregon Telecom Relay Service, 711

Transfer credit

RCC accepts 100-level and above lower-division collegiate courses from regionally accredited colleges when they meet the following transfer credit acceptance criteria:

- Are graded C- or better.
- Apply to an RCC program.
- Have credit/contact hours, curriculum and outcomes that are equivalent to courses offered at RCC; are graded on a similar basis and taught by qualified professionals.
- Meet the above criteria or are otherwise deemed appropriate substitutions for RCC courses.

Transfer credit evaluation

Evaluation of transfer credit may take up to six weeks, so it is important to apply early.

- Order official transcripts from all previous colleges.
- Get admitted to RCC.
- Apply for an evaluation of previous college transcripts toward your declared major. The transfer credit evaluation request form is available at www.roguecc.edu/Enrollment/Forms.
- Provide course descriptions for any course taken more than 10 years ago that will be considered toward the evaluation.
- For evaluation of military credit, submit an evaluation request form and a DD214 or military transcript.
- See “Credits earned through other programs” on page 13.

New student orientation

New Student Orientation (NSO) is designed to prepare students to be successful at Rogue Community College and guide them through the registration process for the first term of college. Students have access to a variety of support services designed to ease the transition into the college environment.

The online NSO is required for every new student. It takes approximately 20 minutes to complete and can be done at an individualized pace. Log in to myRogue, then select “New Student Orientation.”
Registration

See the online registration schedule for priority registration times and additional information about registration options. Questions about the registration process can be answered by Rogue Central, RCS@roguecc.edu.

Credit students register using the online registration system at www.roguecc.edu.

Students should register carefully as they are liable for tuition/fees for any registered courses. Students must drop their registration online, or in person at Rogue Central if they do not plan to attend. Only those who have paid in full are eligible for priority registration.

For special registration arrangements due to a disability, contact Disability Services:
- Redwood Campus, 541-956-7337, or Oregon Telecom Relay Service, 711
- Riverside Campus, 541-245-7537, or Oregon Telecom Relay Service, 711

myRogue

myRogue has many helpful tools including account history, course schedule, a link to report cards, and a link to online registration. Students also receive important information via email from myRogueTeam@roguecc.edu.

Logging onto myRogue

2. Select myRogue.
3. Log in with username and password created when completing the online admissions application.
4. To reset username or password, click the "Forgot Your Password?" link, and follow the directions.
5. For other issues contact Rogue Central at RCS@roguecc.edu.

Accessing your program planner

After completing a placement test, students' first-term reading, writing and math courses will be listed on their program planners. Each time students meet with an adviser, the planner will be updated with classes discussed for future terms.

2. Select myRogue.
3. Enter student ID and password.
4. From the Student Resources menu, select "Program Planner." This will show if you have approval to register. (E.g., "You have an adviser's approval to register for classes through fall 2016.") The program planner contains a list of classes an adviser recommends or a program requires.
5. If there is no approval to register, see an adviser using the following guidelines:
   a. Students who have completed Writing 115 and Math 60 should see the adviser specializing in their major.
   b. Students who have not completed these courses should see an adviser in the Counseling Department.

Change of registration

Schedule changes may be made at www.roguecc.edu/myRogue.

Adding a class

Classes may be added by registering online during registration periods through the first week of the term; instructor's permission is required thereafter. Use the instructor permission code on the student resources page for registration in closed or waitlisted classes.

NOTE: This deadline does not apply to Continuing Education or other classes that may begin at irregular times during the term.

Administrative drop

For term-length credit classes, students must attend each first-class session during the first week of the term, or they may be administratively dropped from the class by the instructor.

Students unable to attend the class during the first-class session should contact the instructor prior to the class meeting if they wish to avoid being administratively dropped from that class. Contact information for instructors is online at www.roguecc.edu/Search/PhoneNumbers.

A 100 percent tuition refund will be applied to the accounts of students who have been administratively dropped.

NOTE: This procedure does not relieve students of the responsibility to drop classes. Students need to officially drop or withdraw from classes that begin at irregular intervals.

Drop/withdraw from classes

- Students may drop from a term-length class through Wednesday of the second week of each term. Tuition is refunded in full (and financial aid adjusted if necessary) when a student drops a class. There is no notation of the dropped class on the student's grade report or transcript.
- Students may withdraw from classes until the Friday of the eighth week of the term (Thursday of fifth week in summer term). There is no refund when a student withdraws from a course. A grade of "W" is assigned for a withdrawn class; the "W" grade appears on a grade report and on a transcript.

NOTE: Students may drop or withdraw using Internet registration. The official withdraw date is the day a student withdraws online. For answers to questions or other help, visit Rogue Central on any RCC campus or email rcs@roguecc.edu. Students who stop attending a class but do not drop or withdraw will receive a grade for the course that will become a permanent entry on their academic records.

Official Drop or Withdrawal from Classes

Students may drop classes online through Wednesday of the second week of the term until 11:59 p.m. Students who officially drop receive a full refund and there is no notation of the class on a transcript. Starting the second Thursday of the term through the eighth Friday of fall, winter and spring terms (fifth Friday of summer term) students may withdraw online. There is no refund for a withdrawal and a grade of W is noted on a transcript. The date the student withdraws online or notifies Rogue Central to be withdrawn is the official last date of attendance.

Credit class refund and withdraw deadlines

<table>
<thead>
<tr>
<th>Class length</th>
<th>Last day for a refund, 100% refund, nothing on transcript</th>
<th>Last day to withdraw, no refund, W grade on transcript</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular term length classes</td>
<td>Wednesday of week two</td>
<td>Friday of week 10; summer term on Thursday of week seven</td>
</tr>
<tr>
<td>One-day classes</td>
<td>One day prior to class meeting</td>
<td>First day of class</td>
</tr>
<tr>
<td>One week classes*</td>
<td>The day of the first class meeting</td>
<td>The day of the last class meeting</td>
</tr>
<tr>
<td>Two-week classes**</td>
<td>The day of the first class meeting</td>
<td>One day before last class meeting</td>
</tr>
<tr>
<td>Three-week classes or longer***</td>
<td>The day of the first class meeting</td>
<td>One day before last class meeting</td>
</tr>
</tbody>
</table>

NOTE: Students may drop or withdraw from classes that begin at irregular intervals.
Unofficial Drop or Withdrawal from Classes
Students who stop attending but do not officially drop or withdraw receive the grade that they earned based on syllabus requirements. If that grade is F, Incomplete, NP, or Z, the instructor must enter the last date of attendance on the online grade roster which becomes the official withdrawal date.

Cancellation of classes
The college reserves the right to cancel any class due to extenuating circumstances such as low enrollment. Students will receive a full refund for canceled classes. Because changes do occur, students should verify their class schedules, before the term begins, at www.roguecc.edu/myRogue.

Tuition and fees
The Rogue Community College Board of Education establishes tuition and fees. Current tuition and fee rates are posted at www.roguecc.edu/tuition.

Tuition is based on a per credit rate and determination of residency. (See "Residency policy.") Tuition rates, fees and refunds are subject to change; current information is published in the digital publication, "RCC Guide to Getting Started," each term. Tuition and fees for auditing a course is the same as normal tuition.

Following are the tuition rates and fees for 2016-17:

- Oregon residents – $99 per credit hour.
- Out-of-state residents – $121 per credit hour.
- International students – $331 per credit hour.
- Technology fee – $5 per credit/ $5 per non-credit class.
- College services fee – $20 for 0 credits, $60 for 1-5 credits, $100 for 6-11 credits, $140 for 12 or more credits.
- Distance learning fee – $10 per credit per class up to 4 credits.
- GED instruction – $65 per term.
- GED test fee – $155.
- Non-credit classes – tuition varies by class or workshop and is published each term. A $5 technology fee and a $15 college services fee may be assessed in addition to the workshop or class fee.
- Late registration: maximum of $45.
- Late payment fee – 5 percent of tuition or $5 whichever is higher.

Residency
Tuition
A student's residence determines the tuition he or she will pay for classes. The college has three tuition schedules: in-state, out-of-state, and international. Documentation may be required to establish residency. Items that may be considered valid proof of residency include an Oregon driver's license, property tax bill, or utility bills (dated 90 days prior to the first day of the term). Students who cannot provide any one of the appropriate documents will be charged tuition as determined by the director of Enrollment Services.

In-state
A student may register as an in-state student if one of the following requirements is met:

- Has maintained a permanent address in Oregon for at least 90 continuous days prior to the first day of the school term.
- Is a permanent resident of Oregon but currently is stationed for military duty outside of Oregon.
- Was honorably discharged or separated from active duty with the military service within the past three years. (See page 29 for details.)
- Is a resident of Oregon who left the state for summer employment.
- Is a resident of Washington, Idaho, Nevada or California.

Out-of-state
Students who list their permanent addresses outside of Oregon must pay out-of-state tuition. This includes:

- Students who list their parents' address as outside Oregon and who are claimed as dependents by their parents on their income tax report.
- Alaska residents who wish to receive the Alaska Permanent Fund Dividend while attending RCC and must maintain their out-of-state residency status.
- Non-citizens on a visitor's visa.

International
Students who are citizens of another country and are attending RCC on a student visa will pay the international tuition rate.

Payment deadlines
Payment dates are indicated in the online publication, "RCC Survival Guide," each term. All tuition and fees must be paid in full by Friday of the second week of the term (Thursday in summer term) or an installment plan must be in place. Students whose tuition is paid by an agency need a voucher or purchase order on file before the payment deadline.

There is no automatic drop for non-payment for current term charges (see "Consequences of non-payment"). Students will be responsible for all tuition charges unless classes are dropped by the student by the second Wednesday of the term for term-length classes.

Payment methods

- Cash – U.S. funds only.
- Checks – Personal checks, travelers checks, cashiers checks and money orders are accepted for the amount of purchase only. Please make checks payable to RCC. Print the student's name clearly on the face of the check. A $25 charge is assessed on any returned check.
- Credit Card (VISA, MasterCard, Discover and American Express) – payment is available online at www.roguecc.edu/StudentResources. RCC student ID and password are required.
- Agency or company payments – Arrangements for payment by an agency or company must be pre-approved by the college. Students must take all payment vouchers or purchase orders for tuition, fees, books, and supplies to Rogue Central. Students are responsible for ensuring that a payment voucher or purchase order is on file by the payment-due date. If payment is not received from the agency, the student is responsible for the full amount.

Cashiers (Rogue Central)
Payments may be made at the following Rogue Central locations:

- Student Services Building, Redwood Campus, Grants Pass.
- G Building, Riverside Campus, Medford.
- Room 187, Table Rock Campus, White City (near the west entrance).

Hours generally are 8 a.m. to 5 p.m. Monday through Friday, or Monday through Thursday in summer term.

Payment drop boxes are also available on the first floor of G Building in the Student Lounge, Riverside Campus, outside the Student Services Building, Redwood
Campus, and outside Rogue Central, Table Rock Campus.

For online payments go to www.roguecc.edu/account.

**Student installment plan**

www.roguecc.edu/Installment

Students who have no delinquent accounts with RCC and have not defaulted on any previous payments at the college may defer payment of tuition and fees through the use of the student installment plan.

Students qualify if they have an account balance of more than $75 for credit courses or are enrolled in a short-term skills training course with tuition of $180 or more, provide a valid Social Security number, and have a satisfactory credit history with RCC.

Students who use the installment plan must pay $50 of the current term’s charges and a $25 non-refundable administrative fee by the payment deadline, listed at www.roguecc.edu/Calendar/academic.

The balance is payable in the next two months in equal installments. The installment plan may be started after the payment deadline, but the two equal installments will be due by the regular tuition installment deadlines, and late fees will be assigned (see consequences of non-payment).

Students have until the payment deadline to make payment arrangements before additional fees apply.

Students who have entered into an installment plan and withdraw after the 100 percent refund period or unofficially withdraw are responsible for the balance. Although accounts may not be delinquent when priority registration begins, only those who have paid in full may register for a future term.

Installment plan applications are available at www.roguecc.edu/myRogue.

Request more information via email: RCS@roguecc.edu.

**Consequences of non-payment**

When students register for a class, they are liable for payment of the charges for that class. To remove charges, students must go online to drop the class by the refund deadline. Students are responsible for full payment of all charges by the payment due date even if the account is paid by another party or through financial aid.

Failure to pay in full or enter into a installment plan by the payment due date may result in the following fees:

- Penalty for non-payment fee – 5 percent of past-due balance; minimum of $5.
- Late registration – After initial registration and payment deadline, $15 plus 5 percent of tuition; after second installment deadline, $30 plus 5 percent of tuition; after last installment deadline, $45 plus 5 percent of tuition.

Student accounts with a balance at the end of the term will be sent to a collection agency. Students will be responsible for all collections costs and fees. Collection agencies will pursue all means of collecting the amount due including but not limited to the garnishment of wages, tax refunds or litigation.

RCC also may impose penalties on delinquent accounts. Registration may be denied or canceled, and the extension of credit, provision of services, grade reports, official transcripts, and diplomas may be withheld until such time that the indebtedness is paid in full.

**Refunds**

If the college cancels a class, students are entitled to a refund of tuition and fees. Financial aid is adjusted to the decreased enrollment level.

Tuition refunds are based on the date that students drop online rather than the last day class was attended. A “withdrawal” occurs when a class is not dropped within the refund deadlines as specified above. No refunds are issued for withdrawals.

Students who think they have documented circumstances (such as hospitalization or a death in the family) that might warrant an exception to this policy may submit a Student Account Petition to Rogue Central, available at www.roguecc.edu/Enrollment/forms.

See the RCC Continuing Education website for refund policies on non-credit courses: www.roguecc.edu/ContinuingEducation.

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**Registration Steps**

**Update “Personal Information” on myRogue**

Email is the official RCC mode of communication. It is your responsibility to keep your contact information current and is essential to your success as a student.

**Check your Financial Aid Status on myRogue**

We recommend all RCC students apply for financial aid. To apply, you must first complete the FAFSA (https://fafsa.ed.gov/). You may check your financial aid status in myRogue. The FAFSA application is available in January for the next academic year.

- Check to see if RCC has received your FAFSA.
- Confirm what is needed to complete the application – check message board.
- See what amount of money you have been awarded.

**Register for Courses**

1. Review your Placement Test Scores and graduation guide for required and recommended courses. Refer to RCC College Catalog, Program Planner, and the RCC website.
2. Select a term.
3. If you plan to take classes on only one campus, select your preferred campus.
4. Check day, time, place (RWC=Grants Pass, RVC=Medford, TRC=White City) as you plan out your schedule.
5. You may search with the course number that is listed on your Program Planner.
6. Click on “Course” to get a description of the class and prerequisites for each course.
7. “Add” this class to your shopping cart if you want to register for the course.
8. Continue shopping and repeat steps 2-7 until you have registered for all your classes.
9. “Advance to Check Out,” make sure to complete all steps so you are registered for your courses.
10. Read and agree to the Tuition Payment Policies.
11. Read, understand and agree to the Student Code of Conduct.
12. Finish and View Payment Options.
13. Select payment option.
14. Review “Printable Student Schedule” with book requirements and print to confirm you have registered successfully.
Academic standing
www.roguecc.edu/Enrollment/SASP

Academic difficulty results when a student is not making satisfactory progress toward his or her goals. A student whose term and/or cumulative grade point average is below 2.0, and/or who does not successfully pass 50 percent of credits will be placed first on academic warning and second on academic probation, and eventually will be academically suspended if academic difficulty continues.

NOTE: For the complete Satisfactory Academic Progress Policy, see the Policies section of this catalog.

Choosing a major

RCC counselors are available to help undecided students identify a major that will support their academic and career goals.

For the initial declaration of major, please consider the following:

Certificate programs and Associate of Applied Science (AAS) degrees prepare students for specific careers and do not include general education requirements for transfer to a four-year college or university.

Students who plan to transfer to a four-year college or university in Oregon, but are undecided about a specific major or focus, should declare the Associate of Arts Oregon Transfer degree (AAOT).

An Associate of Science (AS) degree has articulated agreements that allow students to transfer to SOU or OT in junior standing in various majors.

A student pursuing a certificate or degree that is “limited entry,” including Dental Assistant, EMS/Paramedicine, Human Services, Massage Therapy, Medical Administrative Assistant, Medical Assistant, Medical Coding Specialist, Nursing, Pharmacy Technician, Phlebotomy, Practical Nursing, and Sterile Processing Technician should list Associate of General Studies (AGS) as the first major before being admitted to the program, and the limited entry program as the second major. An AGS degree may also be customized to be the first two years of a four-year degree and allows elective credits to be targeted toward the intended bachelor’s degree.

Academic department faculty advisers can help students identify career goals within their declared majors and can provide information on local vocational trends in their fields.

At registration each term, students are required to verify that the major(s) in their academic record accurately represents the degree or certificate they are pursuing.

Course grading

Program courses

The quality of student work in most core program courses is measured by a system of grades consisting of five letter grades which are used in calculating grade point average. Instructors may assign a plus or minus to grades A, B, C or D. Plus and minus do not calculate into a student’s grade point average.

A (Superior) 4 points
B (Above average) 3 points
C (Average) 2 points
D (Below average) 1 point
F (No credit) 0 points

NOTE: A “D” or “F” grade will not satisfy prerequisite or program requirements.

Academic skills development courses

Pass (“P”) or No Pass (“NP”) are used for most academic skills development classes. A “P” grade indicates the student has earned a “C” or better.

Generally “P” and “NP” grades may not be used for individual students in core program courses, nor are “A” through “F” grades used for students in academic skills development classes. An NP grade does not satisfy prerequisites.

Grade point average calculation

Your grade point average (GPA) is calculated by dividing the total amount of grade points earned by the total amount of credit hours attempted. Your grade point average may range from 0.0 to 4.0.

For example:
A = 4 grade points
B = 3 grade points
C = 2 grade points
D = 1 grade point
F = 0 grade points
Pass/No Pass (P/NP) courses are not factored in the student’s GPA. Z (no basis for grade), I (Incomplete), R (Repeat), Y (grade pending), AU (Audit), and W (Withdrawals) do not receive grade points.

Other grades

• Audit (“AU”) is an enrollment status which allows students to take classes but not receive credit or a grade. Students who choose this option should do so when registering. Students receiving financial aid should consult with Rogue Central. (Financial aid will not pay for audits.)
• Pending (“Y”) is used to indicate a grade has not been input by an instructor.
• Incomplete (“I”) may be assigned when a student has successfully completed at least 75 percent of the coursework and a prolonged excusable absence causes inability to finish the course by the end of the term. Faculty are not required to grant an I grade.
• Students are required to complete the coursework within one term in term length classes. Otherwise, the grade is automatically changed to an “F” or the assigned grade as noted on the incomplete form.
• Withdrawal (“W”) is assigned when a student officially withdraws from a class after the second Wednesday of the term, or for classes with irregular meeting dates after completing one third of the course.

<table>
<thead>
<tr>
<th>Example student transcript</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course</strong></td>
<td><strong>Credit hours</strong></td>
</tr>
<tr>
<td>Biology and lab</td>
<td>4</td>
</tr>
<tr>
<td>Figure drawing</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td><strong>10 total credit hours attempted</strong></td>
<td><strong>22 total grade points</strong></td>
</tr>
</tbody>
</table>

To calculate GPA, the total grade points are divided by the total credit hours attempted.

<table>
<thead>
<tr>
<th><strong>Total grade points</strong></th>
<th><strong>Total credit hours attempted</strong></th>
<th><strong>divided by</strong></th>
<th><strong>22</strong></th>
<th><strong>= 2.20</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>22 total grade points</td>
<td>10</td>
<td>22</td>
<td>10</td>
<td>2.20</td>
</tr>
</tbody>
</table>
Students may withdraw any time until Friday of the eighth week. Grades of "W" are not included in GPA calculations.

- "Z" indicates no basis for grade (e.g., student does not attend beyond the first third of the scheduled class meetings). A "Z" grade is not intended as an alternative to an "F" or "NP" grade. If a student attends beyond the first third of the scheduled class meetings a grade for the class other than "Z" must be assigned.

**Last date of attendance**

Faculty are required to report a last date of attendance when they submit a non-passing grade. Non-passing grades are F, NP and Z.

The last date of attendance is determined in this manner:

- **Seat Class:** last date of in-person attendance.
- **Online Class:** last date that a student submitted an assignment or test.

**Distance learning**

Rogue Community College transcripts grades earned for Internet courses provided through the Oregon Community College Distance Learning Consortium. If the grading policies of the Internet course-provided college and RCC differ, the RCC grading policies will be applied.

**Repeating a course**

A student may request that a previous lower grade (defined by grade points) or grades for a course repeated at RCC be changed to an "R" (repeated) grade. All courses taken will remain on the student's transcript, but the "R" grade or grades will not be included in the grade point average (GPA) calculation. This applies only to grades that are included in GPA calculations, not "W," "Z," "Y," "NP," "P," "I" or "AU" grades. Repeating a previously passed course is aid-eligible only once. Notify Rogue Central before enrolling in a course passed twice so that aid can be adjusted prior to payment. Request forms to change previous grades are available at www.roguecc.edu/Enrollment/forms.

**Credits earned through other programs**

Submit documentation as outlined below and obtain necessary forms at www.roguecc.edu/enrollment/forms.

**Advanced Placement (AP)**

AP credit can be earned in high school for college-level classes based on successful completion of AP exams offered through the College Board. See Advanced Placement Exam chart on page 15 for information about passing scores. Submit official AP score reports from www.collegeboard.org and a Transfer Credit Evaluation Request Form. A minimum of 12 credits toward any one-year certificate program and a minimum of 24 credits toward any two-year degree must still be earned at RCC.

**Transfer credit**

RCC accepts 100-level and above lower-division collegiate courses from regionally accredited colleges when they meet the following transfer credit acceptance criteria:

- Are graded C- or better.
- Apply to an RCC program.
- Have credit/contact hours, curriculum and outcomes that are equivalent to courses offered at RCC.
- Meet the above criteria or are otherwise deemed appropriate substitutions for RCC courses.

Submit all official transcripts and a Transfer Credit Evaluation Request Form. Transfer credit does not count toward the minimum number of credits that the college requires be completed at RCC toward certificate and degree requirements.

Courses from non-accredited institutions must meet the criteria listed above to be considered for transfer acceptance. Prospective students who want to transfer-in courses from non-accredited institutions must produce evidence of the above criteria to RCC department chairs or program coordinators for review and possible credit award.

College-level courses taken in countries other than the United States are first evaluated by a member of the NACES accredited agency then compared to RCC's transfer credit acceptance criteria. A list of current NACES members can be found online at www.naces.org/members.htm. Students may use the NACES member of their choice for a course-by-course or comprehensive evaluation, including grades.

**Pathfinder programs**

www.roguecc.edu/pathfinder

- **Table Rock Campus, 541-245-7806**

Pathfinder refers to all dual enrollment programs (College Now, Early College Option, Extended Options) and high school partnership agreements between RCC and Jackson/Josephine County high schools. It provides students the opportunity to earn college credit while still in high school. Courses may be taught by RCC instructors or high school teachers and qualify for RCC credit; high schools also usually grant credit for these courses. Pathfinder credits can
be earned while working toward a Career Pathways certificate, a one-year certificate of completion, or a degree in many programs. Pathfinder requirements include students to:

- Be enrolled in or starting 11th or 12th grade.
- Have and maintain a 2.5 GPA per term.
- Be at least 16 by the first day of the semester/session for which the student has applied.
- Complete a placement test
- Submit a completed Pathfinder application packet with a parent signature, student signature, completed recommendation form, and a high school transcript (an unofficial transcript will be accepted; report cards and progress reports will not be accepted).

Applications and more information are available from the Educational Partnerships Department, Table Rock Campus, Room 200, 7800 Pacific Ave., White City, OR 97503, 541-245-7806, or HSA@roguecc.edu.

College Now credit
www.roguecc.edu/pathfinder

Students from area high schools that have College Now program agreements with RCC may earn free college credit while in high school. The program encourages “seamless” education that starts in high school and can continue through college. Community college staff work cooperatively with high schools to develop a curriculum that progresses from a basic to an advanced level of instruction. High school students may contact their counselors for information about the program or contact the Educational Partnerships Department.

Participation in a College Now program does not automatically enroll a person in an RCC degree or certificate program. Follow regular RCC online admission procedures.

Early College Option
www.roguecc.edu/pathfinder

This dual enrollment program allows students at participating high schools to become full-time RCC students during their junior and/or senior high school years. Students first complete the Oregon Transfer Module before pursuing the Associate of Arts Oregon Transfer (AAOT) degree. High schools oversee course selection and retroactively grant credit toward students’ high school diplomas. All RCC course placement and prerequisite requirements

<table>
<thead>
<tr>
<th>College Level Exam Program (CLEP) chart</th>
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</thead>
<tbody>
<tr>
<td><strong>College Level Examination Program (CLEP) Credit</strong></td>
</tr>
<tr>
<td>---------------------------------------------</td>
</tr>
<tr>
<td><strong>General Examinations</strong></td>
</tr>
<tr>
<td>College Mathematics</td>
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<tr>
<td>English Composition</td>
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<tr>
<td>Humanities</td>
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<tr>
<td>Natural Sciences</td>
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<tr>
<td>Social Sciences and History</td>
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<tr>
<td><strong>Subject Examinations</strong></td>
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<tr>
<td>Composition and Literature</td>
</tr>
<tr>
<td>American Literature</td>
</tr>
<tr>
<td>Analyzing and Interpreting Literature</td>
</tr>
<tr>
<td>English Literature</td>
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<tr>
<td>Freshman College Composition</td>
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<tr>
<td><strong>Foreign Languages</strong></td>
</tr>
<tr>
<td>College-Level French Language</td>
</tr>
<tr>
<td>College-Level German Language</td>
</tr>
<tr>
<td>College-Level Spanish Language</td>
</tr>
<tr>
<td><strong>History and Social Sciences</strong></td>
</tr>
<tr>
<td>American Government</td>
</tr>
<tr>
<td>History of the United States I: Early Colonization to 1877</td>
</tr>
<tr>
<td>History of the United States II: 1865 to the Present</td>
</tr>
<tr>
<td>BOTH History I and History II</td>
</tr>
<tr>
<td>Human Growth and Development</td>
</tr>
<tr>
<td>Introduction to Educational Psychology</td>
</tr>
<tr>
<td>Introductory Psychology</td>
</tr>
<tr>
<td>Introductory Sociology</td>
</tr>
<tr>
<td>Principles of Microeconomics</td>
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<tr>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>Social Sciences and History</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to the Present</td>
</tr>
<tr>
<td>BOTH Western Civ. I &amp; Western Civ. II</td>
</tr>
<tr>
<td><strong>Science and Mathematics</strong></td>
</tr>
<tr>
<td>Calculus with Elementary Functions</td>
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<tr>
<td>Calculus with Elementary Functions</td>
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<tr>
<td>College Algebra</td>
</tr>
<tr>
<td>College Algebra-Trigonometry</td>
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<tr>
<td>Trigonometry</td>
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<tr>
<td>General Biology</td>
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<tr>
<td>General Chemistry</td>
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<tr>
<td><strong>Business</strong></td>
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<tr>
<td>Information Systems and Computer Applications</td>
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<tr>
<td>Introductory Business Law</td>
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<tr>
<td>Principles of Management</td>
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<tr>
<td>Principles of Accounting</td>
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<tr>
<td>Principles of Marketing</td>
</tr>
</tbody>
</table>

* Score of 500 or above required prior to 1999.
** No set policy. Requires department evaluation.
apply. See www.roguecc.edu/pathfinder for a current list of participating high schools.

**Extended Options**
www.roguecc.edu/pathfinder

Extended Options allows high school students to take a combination of College Now courses and traditional RCC courses with the intention of completing an RCC certificate or other plan of study. Students typically need traditional RCC courses beyond College Now offerings to complete a program. Traditional RCC courses taught by RCC faculty are offered at a discounted rate if arranged through the high school liaison. High schools will determine if the traditional RCC courses can be applied to high school diploma requirements. All RCC course placement and prerequisite requirements apply.

**Credit for Prior Learning (CPL)**

Credits earned through these various programs do not count toward the minimum number of credits that the college requires be completed at RCC toward certificate and degree requirements, nor are they an eligible basis for financial aid. Any exceptions to this policy must be approved by the appropriate department chair and the RCC chief academic officer. No more than 25 percent of total program credits may come from credits granted for prior learning. Visit the RCC website at www.roguecc.edu/enrollment/forms for required forms referenced next.

**Challenge Exam**

Currently enrolled students pursuing an approved program of study at RCC are eligible to petition for a Challenge Exam if it is available through the academic department. Contact the department chair or coordinator for availability. Successful challenge exam results apply to program requirements at RCC but do not count toward cumulative RCC credits, GPA, or financial aid eligibility. Full tuition and college fees are charged. The Challenge Exam Form is available online.

**College Level Exam Placement (CLEP)**

Students can receive credit for knowledge gained outside of a formal college environment. CLEP credit can be earned upon successful completion of the CLEP exam offered through College Board. See the CLEP chart on page 14 for passing scores and recognized subject areas. Submit an official CLEP score report from www.collegeboard.org and a Transfer Credit Evaluation Request Form. Although RCC is not a CLEP testing center, see the College Board website for current testing center locations.

**DANTES/DSST**

DANTES/DSST scores will be individually reviewed by the department for possible credit award toward programs at RCC. Submit official exam reports and a Transfer Credit Evaluation Request Form.

**Industry Certifications/Inservice Training credit**

Credit is awarded by certain academic departments for successful completion of standardized competencies and training obtained through recognized career experience, in addition to college coursework. These are:

- Apprenticeship
- Criminal Justice
- Early Childhood Education
- Emergency Medical Services
- Fire Science
- Industrial Welding

These trainings have been determined to be identical in content and proficiency requirements to content taught in college classrooms as part of degree programs.
### International Baccalaureate Exam (IB) chart

<table>
<thead>
<tr>
<th>Course</th>
<th>Standard Level Exam score of 5 or higher</th>
<th>Higher Level Exam score of 5 or higher</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Humanities/Performing Arts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>4 General Elective</td>
<td>8 General Elective</td>
</tr>
<tr>
<td>Film</td>
<td>4 Humanities Elective</td>
<td>8 Humanities Elective</td>
</tr>
<tr>
<td>Music (solo, group or composition)</td>
<td>4 MUS101</td>
<td>7 MUS101, 105</td>
</tr>
<tr>
<td>Philosophy</td>
<td>4 PHL101</td>
<td>8 PHL101, Humanities Elective</td>
</tr>
<tr>
<td>Theater Arts</td>
<td>4 Theater Elective</td>
<td>4 Theater Elective</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>3 ART211</td>
<td>8 ART211, Studio Art Elective</td>
</tr>
<tr>
<td>World Religions</td>
<td>4 REL1201</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language A: Literature (English)</td>
<td>4 WR121</td>
<td>12 WR121, ENG108, ENG109</td>
</tr>
<tr>
<td>Language A: Language &amp; Literature (English)</td>
<td>4 WR121</td>
<td>12 WR121, ENG104, ENG105</td>
</tr>
<tr>
<td>Language A: Literature (other than English)</td>
<td>4 1st course in 2nd yr sequence language</td>
<td>12 2nd year language sequence</td>
</tr>
<tr>
<td>Language A: Language &amp; Literature (other than English)</td>
<td>4 1st course in 2nd yr sequence language</td>
<td>12 2nd year language sequence</td>
</tr>
<tr>
<td>Language B (all languages except English)</td>
<td>4 1st course in 2nd yr sequence language</td>
<td>12 2nd year language sequence</td>
</tr>
<tr>
<td>Literature and Performance (English)</td>
<td>4 TA199</td>
<td>n/a</td>
</tr>
<tr>
<td>Literature and Performance (Spanish, French)</td>
<td>4 1st course in 2nd yr sequence language</td>
<td>n/a</td>
</tr>
<tr>
<td>Classical Languages</td>
<td>4 2nd year Foreign Language or Humanities Elective</td>
<td>12 2nd year Foreign Language or Humanities Elective</td>
</tr>
<tr>
<td><strong>Experimental Sciences</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>4 BI211</td>
<td>12 BI211,212, 213</td>
</tr>
<tr>
<td>Chemistry</td>
<td>5 CHEM221</td>
<td>15 CHEM221,222 223</td>
</tr>
<tr>
<td>Environmental Systems and Societies</td>
<td>4 ENV111</td>
<td>n/a</td>
</tr>
<tr>
<td>Physics</td>
<td>5 PH201</td>
<td>12 PH201, 203 + Science Elective</td>
</tr>
<tr>
<td><strong>Individuals and Societies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td>4 BAI01</td>
<td>4 BAI01</td>
</tr>
<tr>
<td>Economics</td>
<td>3 ECON115</td>
<td>8 ECON 201, 202</td>
</tr>
<tr>
<td>Geography</td>
<td>3 Social Science Elective</td>
<td>6 GEOG100, 110</td>
</tr>
<tr>
<td>History: Africa (higher level only)</td>
<td>n/a</td>
<td>9 Social Science Elective</td>
</tr>
<tr>
<td>History: Americas (higher level only)</td>
<td>n/a</td>
<td>12 HST 201, 202, Social Science Elective</td>
</tr>
<tr>
<td>History: Asia/Oceania (higher level only)</td>
<td>n/a</td>
<td>9 Social Science Elective</td>
</tr>
<tr>
<td>History: Europe &amp; Middle East (higher level only)</td>
<td>n/a</td>
<td>9 Social Science Elective</td>
</tr>
<tr>
<td>History: Medieval Eur &amp; Islamic World</td>
<td>4 HST104</td>
<td>12 HST104, 105, Social Science Elective</td>
</tr>
<tr>
<td>History</td>
<td>3 Social Science Elective</td>
<td>n/a</td>
</tr>
<tr>
<td>Psychology</td>
<td>4 PSY 201</td>
<td>8 PSY 201, 202</td>
</tr>
<tr>
<td>Social and Cultural Anthropology</td>
<td>4 ANTH 110</td>
<td>4 ANTH110</td>
</tr>
<tr>
<td>Sports, Exercise &amp; Health</td>
<td>3 HPE295</td>
<td>6 HPE295, 3 credits of Health/PE</td>
</tr>
<tr>
<td><strong>Mathematics and Computer Science</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td>4 CS 161</td>
<td>8 CS 161, 162</td>
</tr>
<tr>
<td>Information Technology in a Global Society</td>
<td>4 CS120</td>
<td>8 CS120, 4 credit CS elective</td>
</tr>
<tr>
<td>Math Studies (standard level only)</td>
<td>4 MTH 105</td>
<td>n/a</td>
</tr>
<tr>
<td>Mathematics</td>
<td>5 MTH251</td>
<td>10 MTH251, 252</td>
</tr>
<tr>
<td>Further Mathematics (higher level only)</td>
<td>n/a</td>
<td>15 MTH251, 252, 253</td>
</tr>
</tbody>
</table>
Requirements for documenting such competencies differ slightly between departments. Students should contact the appropriate department chair or program coordinator for more information. Students pay $10 per credit for credit awarded in this manner.

**Integrated Business Entrepreneurship/Avista Center**

www.roguecc.edu/cpl/avista.asp

- Business Technology Department, Redwood Campus, 541-956-7066
- Business Technology Department, Riverside Campus, 541-245-7527

Up to 12 credits may be earned toward the Associate of Applied Science degree in Business Technology for successfully completing all modules in the Avista entrepreneurship curriculum offered in collaboration with the RCC Small Business Development Center. Credit can be earned for these courses:

- BA213 Managerial Accounting – 4 credits.
- BA223 Principles of Marketing – 3 credits.
- BT165 Writing a Business Plan – 2 credits.
- BT250 Entrepreneurship – 3 credits.

Students must complete at least 12 other credits and be enrolled in at least 3 credits, excluding Credit by Examination, at the time of application.

**Military experience credit**

Military experience credit is granted based on the guidance of the American Council on Education’s “Guide to the Evaluation of Educational Experiences in the Armed Forces,” review and recommendations from department chairs, and must align with equivalent courses at RCC. At least 3 credits of health and physical education are awarded for completing basic training. Submit official Joint Services transcripts and a Military Credit Request Form.

**Portfolio credit**

Some departments may allow credit for prior learning based on portfolio development and review, a process that allows students to demonstrate knowledge and/or skill to earn college credit for existing RCC classes by submitting a written portfolio through which evidence of relevant experiential learning is documented for faculty assessment.

Portfolio credit is based only on the assessment of documents; it is not a graded process. If students must receive a letter grade, they may apply for credit through the challenge exam process or register for the actual class instead.

Portfolio credit is awarded to students only as part of a current degree or certificate program based on departmental approval. It is awarded course by course, not in blocks. Students may be required to enroll in CPL120, a course that guides them through the portfolio process. To be eligible for portfolio review, students must have completed at least 12 non-CPL credits at RCC and be enrolled in at least three credits at the time application is made.

**Honor rolls**

Rogue Community College recognizes superior academic achievement in college-level classes through a President’s List and a Dean’s List. To earn inclusion a student must complete at least 12 college-level RCC credits or more, graded A through F, and meet the following criteria:

- President’s List: 4.0 term GPA.
- Dean’s List: 3.5 term GPA.

Courses graded Pass/No Pass are not included in GPA calculations and do not count toward the honor rolls. See also “GPA calculation.”

Members of both lists are eligible to join the community college honor society, Phi Theta Kappa.

**Institutional award of degrees and certificates**

RCC will grant two-year associate degrees, one-year certificates, and less than one-year certificates when the college recognizes that a student has completed necessary credits, regardless of whether the student applied to receive the degree or certificate. Students must be sure that the major(s) in their academic record accurately represents the degree or certificate they are pursuing. To attend the June graduation ceremony, students must apply to graduate by February.

**Institutional Learning Outcomes**

RCC faculty have identified five Institutional Learning Outcomes (ILOs) that students should see referenced on course syllabi. These outcomes are essentially skills that have been determined to make students successful at RCC and in whatever lies beyond their RCC experience. Students may be assessed directly for achievement of these outcomes as part of regular course assessments. They include:

- **Application of Knowledge.** Students will synthesize and use knowledge in familiar and unfamiliar situations to effectively solve problems and complete tasks.
- **Approach to Learning.** Students will engage in and take responsibility for intentional learning, seek new knowledge and skills to guide their continuous and independent development, and adapt to new situations.
- **Communication.** Students will engage in quality communication using active listening and reading skills and expressing ideas appropriately in oral, written, and visual work.
- **Critical Thinking.** Students will think critically and creatively about problems and issues in classroom or school, home, work, and community settings to create positive, sustainable solutions.
- **Personal Growth.** Students will balance life and civic responsibilities, believe in themselves, accept and commit to change, self-reflect, and be tolerant and respectful of themselves and others.

**Report cards**

www.roguecc.edu/myRogue

End of term grades are available online by Wednesday of the week following the end of each term.

**Social Security disclosure statement**

Oregon Administrative Rule 581-41-460 authorizes RCC to ask students to provide their Social Security numbers. Numbers will be used by the college for reporting, research, recordkeeping, extending credit, and collecting debts.

Numbers also will be provided by the college to the Data for Analysis (D4A), which is a group made up of all community colleges in Oregon, the Oregon Department of Community Colleges and Workforce Development, and the Oregon Community College Association.

D4A 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.
D4A or the college may provide students' Social Security numbers to the following agencies or match them with records from the following systems:

- State and private 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 the student by the college.
- The American College Testing Service, if a student takes the Asset Placement test, for educational research purposes.
- The IRS for the purpose of Hope Scholarship and Lifetime Learning tax credit.

State and federal law protects the privacy of students’ records. Students’ Social Security numbers will be used only for the purposes listed above.

### Student directory information

www.roguecc.edu/FERPA

In accordance with the Family Education Rights and Privacy Act (FERPA), Rogue Community College considers the following to be “directory information.”

1. Name, address, and telephone number.
2. Major field of study.
3. Dates of enrollment.
4. Degrees and awards received.
5. Participation in official recognized college activities and sports.
6. Academic credit information.
7. Email address.
8. Photograph.
9. Student ID (institutional user ID). This information may be released without the student’s written consent unless the student completes a Directory Exemption form at Rogue Central. Exemption status keeps the student’s name from appearing in print for press releases or for commencement or other awards and recognition by the college.

To accommodate written requests for directory information, Rogue Central will forward written messages to the student whose information is requested. RCC does not contact groups of students for the purpose of solicitation. For information about this service or directory information, email RCS@roguecc.edu.

### Student educational records

www.roguecc.edu/FERPA

Rogue Community College follows the Family Education Rights and Privacy Act (FERPA) of 1974 in regard to educational records. With some exceptions, federal legislation gives students the right to inspect their educational records while attending RCC. A student who believes the contents are inaccurate, misleading, or a violation of privacy or other rights has the right to a hearing to challenge the contents.

The college normally will comply with requests to inspect records within 10 days but in no case more than 45 days from the date of request. For information regarding review of official records or to challenge the content of those records, students may contact the director of Enrollment Services.

A student has the right to file a complaint with the U.S. Department of Education concerning alleged failures by the college to comply with the requirements. The name and address of the office that administers FERPA is:

Family Policy Compliance Officer
U.S. Department of Education
400 Maryland Ave., SW
Washington, DC 20202-5901

### Student right-to-know

#### Graduation rate

www.roguecc.edu/Students/graduation_rates.asp

The following graduation rates are the result of a three-year study of each fall term’s first-time freshmen entering RCC. These students must meet the following criteria:

- Have been a first-time freshman entering RCC in fall 2012-13.
- Have never previously attended any college.
- Have attended RCC full time (at least 12 credit hours) during their first fall term.
- Be identified as degree seeking using their declared majors.

Rates are reported as a three-year tracking period. This allows for the reporting of completions (graduations) within 150 percent of the normal time. Transfer rates are for transfers to any college or university in the United States.

- 15 percent graduated by the end of winter term 2014 (certificate seeking) or by end of summer term 2015 (degree seeking).
- 17 percent transferred to another college or university.

### Tax credits for education

The Taxpayer Relief Act of 1997 (TRA 97) provides tax benefits for persons who are paying higher education costs for themselves and/or for members of their families. These benefits include a deduction for student loan interest, available for taxpayers who have taken loans to pay the cost of attending an eligible educational institution for themselves, their spouses, or their dependents. Taxpayers may deduct interest they pay on these student loans. The American Recovery and Reinvestment Act of 2009 provides an American Opportunity Tax Credit worth up to $2,500 annually.

The 1098-T form and a detailed statement of charges and payments are available online at www.roguecc.edu/myRogue. For questions about your 1098T form please email 1098T@roguecc.edu. For additional information and FAQs, visit www.roguecc.edu/students/1098T.asp.

It is strongly recommended that students consult a tax adviser for specific information about eligibility and potential benefits. RCC cannot answer tax-related questions. For additional information from the Internal Revenue Service, contact the Internal Revenue Service at 800-829-1040 or www.irs.gov.

### Transcripts

Each student’s transcript is a permanent record of all his/her academic accomplishments at RCC. It reflects all grades, including repeated courses, and degrees or certificates earned at RCC. Students may obtain a copy of their unofficial transcripts at www.roguecc.edu/myRogue. Students also may order official transcripts from www.roguecc.edu/enrollment/forms.
Understanding college terms

**Academic Skills classes**
Credit classes are offered in basic reading, writing, spelling and math to prepare students for college-level courses. Students must take a placement test to determine their academic level before enrolling in these classes.

**Adult Basic Skills**
Students who need to learn basic reading, writing and math skills, prepare for GED® exams, learn English or prepare for college placement tests may receive assistance through basic skills programs.

**Articulation**
An articulation agreement is created when two (or more) institutions agree that the content and difficulty level of courses offered by each institution is equivalent and that students taking the articulated course at one institution will not need to repeat it when they transfer to the other institution.

**Associate of Arts Oregon Transfer (AAOT)**
A two-year degree that fulfills all lower-division general-education requirements of a bachelor's degree. Upon admission to any college in the Oregon University System, students who have completed the AAOT (90 credits minimum) will qualify for junior standing. The AAOT degree does not guarantee that a student meets prerequisites for a particular major; the student may need additional coursework to be accepted into the major.

**Associate of Applied Science (AAS)**
A two-year program (90 credits minimum) designed to prepare students for work in a specific career/technical field. A wide range of AAS programs are available at RCC, from Automotive Technology to Nursing.

**Associate of General Studies (AGS)**
A two-year program (90 credits minimum) that incorporates both lower-division college transfer courses and career and technical education courses with general education coursework.

**Associate of Science (AS)**
A two-year program (90 credits minimum) based on signed articulation agreements with specific public and private universities and designed for students transferring to a designated baccalaureate degree program.

**Academic calendar**
Start and end dates of each academic term. Includes important dates for tuition payment, deadlines to add, drop or withdraw from classes, holidays and registration dates, etc.

**Advanced placement**
Credit granted or eligibility for an advanced course based on student having mastered the equivalent of an introductory course.

**Award letter**
An offer of aid (scholarships, grants, loans and work) determined by the Financial Aid Office.

**Career and technical education (CTE)**
A program of study at the secondary and postsecondary levels that is a key component of Oregon's education and workforce development system. CTE integrates technical career skill proficiencies with academic content and prepares students for the workplace, further education, training, and family and community roles. At the postsecondary (college) level, CTE helps students complete Associate of Applied Science (AAS) degree and certificate of completion programs, preparing them for workplace entry and career success. CTE courses are identified by the following prefixes: AH, AM, APR, BT, CPL, DA, DS, ECE, EET, EMS, ES, EST, FRP, GD, HC, HCI, HD, HS, LAT, MET, MFG, MT, PN, PRX, SPT, SRV, ST, TD, WLD.
Most of these courses apply to RCC career and technical education degrees and certificates.

**College transfer courses**
Courses that are generally accepted by four-year colleges are identified with letters and numbers (e.g. WR121), with the exception of courses with the career and technical prefixes listed.

**Career Pathways certificates of completion**
Career Pathways certificates (CPCs) are 12-44 credit certificates offered in career technical programs and are usually three or fewer terms in length. CPCs serve as the first step in a career pathway, providing employer validated skills training along with academic preparation for continuing the educational pathway. Career Pathways certificates are stackable. This means all credits earned in the CPC count toward the related one-year certificate or two-year Associate of Applied Science degree.

**Cooperative Work Experience (CWE)**
A capstone experience taken in final terms of a student's degree or certificate program. Students and participating businesses develop written training and evaluation plans to guide instruction. Students receive course credit for their work experience.

**Core classes**
Classes that all students in a major program are required to take.

**Counselor**
A Counseling Department faculty member who is certified and/or licensed as a personal counselor and who provides crisis counseling free of charge to students. Counselors also teach human development and career guidance classes and provide academic advising.

**Credit**
A unit of academic credit that represents the hours of class time per week. Granted in recognition of coursework completed.

**Curriculum**
Courses necessary to complete degree or certificate. Also refers to the material covered in a course.

**Declare a major**
Officially indicate a major or program of study. See “Major.”

**Discipline**
A field of study or a category of classes such as humanities or social science. See “Major.”

**Dismissal**
Students may be dismissed or expelled for consistently poor grades or breaking rules.

**Distance education**
Classes taught over the Internet.

**Elective**
An optional rather than required class.

**Fee**
Money charged by a college for services provided to students. Fees are often charged for lab materials and recreational facilities.

**Financial aid**
Federal, state, college and private aid that helps students pay for college costs. Financial aid can be in the form of grants, scholarships, loans or work-study programs.
Free Application for Federal Student Aid (FAFSA)
The annual application required for students to be considered for federal financial aid programs. Available beginning January 1 of each year at www.FAFSA.gov.

Full-time student
A student taking 12 or more credits per term.

General education requirements
Courses required in a variety of academic areas such as science, writing and math.

Grade point average (GPA)
An indicator of a student’s term or overall scholastic performance calculated by dividing the total course points by the total applied credits. A=4 points, B=3 points, C=2 points, D=1 point, F=0. (Grades not included in applied credits are AU, I, NP, P, R, W, Y, Z.)

Graduation guide
List of courses necessary to complete a degree or certificate.

Grant
Award based on financial need that does not require repayment.

Honor roll
Student list based on a GPA calculation based on completion of 12 graded college-level credits or more.
- President’s List – 4.0 term GPA
- Dean’s List – 3.5 term GPA

Interlibrary Loan Service (ILL)
The library can obtain materials from academic and public libraries nationwide.

Incomplete
A grade of “I” requires an agreement between the instructor and the student about the completion of the last 25 percent of course requirements. Requires minimum successful completion of 75 percent of the work required in the class prior to the end of the term. Faculty are not required to grant an Incomplete.

Independent study
An arrangement that allows a student to earn college credit through individual study, usually planned with and supervised by a faculty member.

Informational interview
An interview to find out about a job or a career such as the training needed and responsibilities.

Internship
Paid or unpaid positions in which students work with an employer for a specified period of time to learn about a particular industry or occupation.

Loan
Financial aid that must be repaid, with interest, after a student leaves school.

Major
The subject of study in which the student chooses to specialize or graduate.

Matriculation
Advancing through the educational process toward a goal, particularly related to enrolling in a college or university (e.g., upon completing the Associate of Arts/Oregon Transfer degree, to matriculate to Southern Oregon University).

MTuWThFSaSu
(Shown in schedule of classes) Represents days of the week. Course offered TuTh, indicates Tuesday/Thursday class.

Occupational outlook
A prediction of the number of job openings there will be at a certain time for specific jobs.

Part-time student
A student enrolled in 1-5 credits (less than half time); 6-8 credits (half time); 9-11 credits per term (three quarter time).

Phi Theta Kappa
A national honor society recognizing academic excellence.

Placement test
Used to determine starting levels in reading, writing and math for new students.

Prerequisite
Courses that must be successfully completed (A, B, C, P) before proceeding in the curriculum (e.g. BT113 or WR115 must be completed prior to PSY101).

Probation
Status given to students whose GPAs fall below 2.0 for a second term or who have failed to complete at least 50 percent of their credits for several terms.

Quarter/term
An academic period of 11 weeks in fall, winter or spring terms, or eight weeks in summer term. Four per academic year.

Recitation
Required component for most chemistry and physics classes. Provides a forum to discuss lecture and lab activities, review materials, take quizzes, etc.

Registration
Officially enrolling in classes for an upcoming academic term.

Satisfactory academic progress (SAP)
Students must maintain at least a 2.0 grade point average (GPA) each term with a cumulative GPA of at least 2.0 and/or successfully pass 50 percent of credits attempted, earning A, B, C, or P grades. Unsatisfactory progress may result in being placed on academic warning, probation, and subsequently suspension. Financial aid recipients have additional SAP requirements to maintain eligibility.

Scholarships
Awards to students that do not have to be repaid and are based on merit or merit plus financial need.

Sequence
Set of two or three courses in one subject area usually taken in numerical order (e.g., BA211, BA212, BA213).

Study abroad
Courses students attend in another country while making progress toward their diploma or degree at a U.S. college.

Transcript
The official record of high school or college courses and grades generally required as part of college applications.

Transfer
When students apply credits earned at one institution toward the graduation requirements of a program at another institution.

Transfer courses
Courses that usually share a common description or course number at multiple institutions (such as CS120) and that typically are acceptable at a four-year college or university.

Tuition
The cost of classes or credits.

Work Study
A form of financial aid in which students earn money by working part time at their college. Students apply for work study by filling out the FAFSA.
Athletics
www.roguecc.edu/Athletics

Since the fall of 2015, the Rogue Community College Ospreys have been competing in the Southern Division of the Northwest Athletic Conference (NWAC). The college hosts men’s and women’s soccer and cross country.

National data collected by the NCAA consistently shows that college athletes graduate at a higher rate than other students, and that many companies prefer to hire student athletes because they have developed the ability to set goals, stick to a training program, and achieve results. Athletic tuition waivers are offered at the coach’s discretion.

If you would like to know how you can support or join the Ospreys, please contact the RCC Athletic Director at 541-956-7196.

The Northwest Athletic Conference is the parent organization for 35 community colleges located in Idaho, Oregon, Washington and British Columbia. To learn more about NWAC, visit www.nwaacc.org.

Career Services
www.roguecc.edu/Career-Services

- G Building, Riverside Campus, 541-245-7538
- L Building, Redwood Campus, 541-956-7323

Career Services assists students from admissions to graduation in selecting majors and careers, map out what classes to take, and learn how to be a successful college student. Rogue Community College welcomes recent high school Latino graduates planning to attend RCC. Summer program is in September. Contact Career Services at 541-245-7538 for more information.

Not sure what you want to be?
Career Services will help you explore majors and careers based on your personality, interests, and strengths.
- Take the Holland Codes Quiz to discover your “Work Personality.”
- Explore RCC Degrees and Certificates
- Research the job market.
- Complete the CIS: Career Information System.
- Be referred to Career Counseling.

Searching or applying for a job?
Career Services offers support and assistance whether applying for student employment, an entry-level job, or the next step in your career. Let us help you develop or improve your application materials.
- Develop and edit resumes and cover letters.
- Identify professional and educational references.
- Explore job search resources and techniques.
- Understand and use online career resources.

Preparing for an interview?
Learn what employers are looking for and how to tailor your answers for the job you want.
- Prepare for interview questions.
- Make a great first impression and dress to impress.
- Practice your handshake.

HOLA: Helping Oregon Latinos Advance
HOLA is a free, one-week high school-to-college summer program designed to increase Latino students’ college readiness. Students have fun with new friends, research college majors and careers, map out what classes to take, and learn how to be a successful college student. Rogue Community College welcomes recent high school Latino graduates planning to attend RCC. Summer program is in September. Contact Career Services at 541-245-7538 for more information.

Counseling/Advising
www.roguecc.edu/Counseling

- Student Services Building, Redwood Campus, 541-956-7190
- G Building, Riverside Campus, 541-245-7552
- Table Rock Campus, Room 187, 541-245-7863

RCC provides comprehensive counseling services to assist students with education and career plans and with personal or social concerns. Licensed professional counselors and academic advisers are available and offer the following services on a limited drop-in basis and by appointment:
- Academic advising.
- Help in choosing a major.
- Crisis intervention.
- Conflict resolution.
- Career and life planning.
- Internet access to career, job market, and scholarship information.
- Transfer advising.
- Early intervention for academic success.

Academic advising
Academic advising is provided by trained faculty and staff who can answer questions about college and educational objectives, help with program planning and class selection to meet academic goals, and answer questions about transferring to other colleges.

Advising for first-term classes is described in the online new student orientation. Students working on academic skills-level classes may make advising appointments through the Adult Basic Skills Department, 541-245-7701 at the Riverside Campus, or 541-956-7253 at the Redwood Campus.

Career and technical education students and those who are program-ready (have a declared major or have completed/tested above RD30, WR115, MTH60) should see their program advisers. Call the number listed for individual departments, which is included with specific program information on pages 63-177 in this catalog.

Students enrolling in the following programs should speak with an adviser prior to start of first term:
- Automotive Technology, 541-956-7140
- Early Childhood Education, 541-956-7066 (Grants Pass); 541-245-7504 (Medford)
- Electronics Technology, 541-245-7809
- Emergency Medical Services, 541-245-7965
- Exercise Specialist, 541-956-7140 (Grants Pass); 541-245-7504 (Medford)
- Fire Science, 541-245-7965
- Industrial Welding Technology, 541-245-7809
- Landscape Technician, 541-245-7907
- Manufacturing Technology, 541-245-7902
- Renewable Energy Technician, 541-245-7809

Students who are undecided about their majors or who are not yet program ready may receive advising in the Counseling Department.

Appointments should be made by Oct. 31 for winter-term advising, by Feb. 14 for spring-term advising, and by May 5 for summer- and/or fall-term advising.

Career counseling/planning
Students may receive career counseling and planning assistance. Computerized information on careers, job market information, and related training programs also are available.
from the Counseling Department.
The RCC website provides useful career exploration resources. Visit www.roguecc.edu and select Career Base Camp or Career Pathways. Career Services provides assistance and information for resume writing, interview skills, and job search tools.

**Retention or crisis counseling**

College students often experience challenges coping with stress. Meeting with a counselor may help with the demands of college. Counselors provide professional services to assist students with concerns that may create barriers to success. Students at RCC may obtain short-term, solution-focused counseling at no charge. Some of the reasons why students seek counseling services are:

- To reduce test and math anxiety.
- To increase self-esteem and enhance personal growth.
- To gain stress management skills.
- To develop and maintain healthy relationships.
- To better integrate family, school and work.
- To learn conflict resolution strategies.
- To become a more effective problem solver.
- To receive referrals for off-campus counseling services or resources.

**Counseling FAQs**

**Are services confidential?**
The RCC Counseling Department follows the ethical and legal standards of the state of Oregon, which insures confidentiality except in the following situations:

- The student provides a written request to release information.
- There is an imminent danger to the student or others.
- There is concern about child or elder abuse or neglect.
- A court orders a release of a student’s records.

**How do I know if I need counseling?**

Rogue Community College encourages students to make an appointment with the Counseling Department and talk to a counselor, who can help a student decide if they need counseling. The following questions may be helpful to consider:

- Do you have intense feelings of depression?
- Do you experience feelings of anxiety or panic?
- Do you have difficulty concentrating on assignments in class?
- Do you feel that your usual coping strategies aren’t working?
- Do you recognize a pattern of behavior that creates personal and academic problems?

**Will counselor services become part of my academic record?**

Counselor contact and files are protected by confidentiality regulations and are not part of a student’s academic record.

**Who are the counselors?**

For counselor names, phone numbers and locations visit www.roguecc.edu/Counseling.

**What other services are offered?**

- Human development and career guidance courses and workshops.
- College and university transfer information.
- Academic advising.
- Placement test information and scheduling.
- Scholarship information.
- Substance abuse referrals.

**Disability Services**

www.roguecc.edu/DisabilityServices

- Tutoring Center, Wiseman Building, Redwood Campus, 541-956-7337, Oregon Telecom Relay Service, 711
- B Building, Room 9, Riverside Campus, 541-245-7537, Oregon Telecom Relay Service, 711
- Table Rock Campus, Room 191 541-245-7537, Oregon Telecom Relay Service, 711

Disability Services provides academic support services to help ensure all qualified students have equal access to education. Documentation to verify a disability is required in order to receive accommodations.

Disability Services coordinates note-takers, sign language interpreters, disability advising, conversion of class materials to alternate text format, and adaptive technology for RCC students with disabilities, see Adaptive Technology Lab.

Students who suspect they have a disability are encouraged to make an appointment for possible services.

It is recommended that students request accommodations at least four or more weeks prior to the start of each term to prevent any delay in receiving services.

Students or others with service animals such as guide dogs or dogs for the deaf should contact Disability Services for authorization of a service animal prior to attending classes or other campus events.

**Servicios de Minusvalidez**

www.roguecc.edu/DisabilityServices

- Redwood Campus, Edificio del Centro Wiseman, 541-956-7337 o Oregon Telecom Relay Service, 711
- Riverside Campus, Edificio B, habitación 9, 541-245-7537 o Oregon Telecom Relay Service, 711
- Table Rock Campus, habitación 191, 541-245-7537 o Oregon Telecom Relay Service, 711

Los Servicios de Minusvalidez proveen servicios de apoyo de educación para asegurar que todos los estudiantes cualificados tengan igual acceso a educación. Documentación de una minusvalidez es requerida para verificar la discapacidad y poder hacer arreglos apropiados acerca de la minusvalidez.

Los Servicios de Minusvalidez coordinan con personas quienes toman apuntes y quienes interpretan con lenguaje de señas. También los servicios brindan consejería para estudiantes con discapacidades de aprendizaje y/o con discapacidades físicas. Ofrecen conversión de material de clases al formato de texto alternativo, y utilizan tecnología adaptativa para los estudiantes de RCC con discapacidades.

El Laboratorio de Tecnología Adaptativa provee ayuda y evaluaciones por medio del acceso adaptivo a la computadora.

Se sugiere que los estudiantes quienes supongan que tengan una discapacidad soliciten una cita con los Servicios para Minusvalidez para explorar servicios. Además, se recomienda que estudiantes piden acomodaciones por lo menos cuatro semanas antes del comienzo de cada trimestre para evitar una demora en recibir servicios.

Los estudiantes y otras personas con animales de servicio, como un perro lazarillo o guía de apoyo por los sordos, deben entregar una solicitud a los Servicios de Minusvalidez para obtener autorización para el guía antes de asistir a clases o eventos en el campus.
Enrollment Services
www.roguecc.edu/Enrollment
- Student Services Building, Redwood Campus, 541-956-7176
- G Building, Riverside Campus, 541-245-7711
- Table Rock Campus, Room 189, 541-245-7711

Enrollment Services provides the following comprehensive services at each stage - entry, flow through, and exit - of a student's education:
- Admission
- Registration
- Payment
- Financial aid advising
- Enrollment and degree verifications
- Transcripts
- Grades
- Degree audits
- Transfer and military credit evaluations
- Graduation
- Family Education Rights and Privacy Act compliance

Financial Aid
www.roguecc.edu/FinancialAid

Financial assistance for educational purposes comes from federal, state, institutional and private sources. Types of financial aid include grants, part-time employment, scholarships, and loans.

Visit the Financial Aid website (above), email Rogue Central at RCS@roguecc.edu, or stop by a Rogue Central service counter:
- Student Services Building, Redwood Campus
- G Building, Riverside Campus
- Room 187, Table Rock Campus

Contact the Financial Aid Office by mail, 3345 Redwood Hwy., Grants Pass, OR 97527; by FAX: 541-471-3532; or by email: rcs@roguecc.edu.

Monitor your financial aid status by logging on at www.roguecc.edu/myRogue, then select the "Financial Aid Status" link.

The RCC Financial Aid Office will communicate with you primarily via email, text, and/or myRogue. To access information in a timely manner, keep your RCC personal information updated, check your email often for correspondence from "myRogue Team" with "Financial Aid Mail" in the subject line, and be sure your ISP allows mail from myRogueTeam@roguecc.edu.

Eligibility
Generally, students may participate in federal student financial aid programs if they are:
- U.S. citizens or eligible non-citizens.
- Have a high school diploma (not "extended", or a recognized equivalent, eg. GED).
- Admitted to the college.
- Enrolled in and working toward the completion of an eligible certificate or degree program (See Satisfactory Academic Progress policy.)
- Not in default or do not owe a repayment of federal financial aid.
- Demonstrate applicable need for financial assistance.

Eligibility for state aid generally follows federal rules, except for undocumented residents may apply with an Oregon Student Aid Application (ORSAA) at orregonstudentaid.gov/PublicTools/FinancialAid/PreFilter.

Eligibility requirements differ for various types of aid, and awards may also be limited to the availability of resources.

How to apply
1. Complete an annual Free Application for Federal Student Aid (FAFSA or Renewal FAFSA). Online applications are available at www.fafsa.gov. A hard-copy application is available by calling 1-800-4FEDAIL. The RCC federal school code is #010071. (Undocumented Oregon residents may complete an ORSAA in lieu of the FAFSA for state aid.)

RCC recommends submitting an annual FAFSA, as soon as possible, on or after January 1 preceding the school year (October 1, 2016 for 2012-18).

Applications completed at least six weeks before summer, fall and winter terms (four weeks for spring) will receive priority processing. For late applicants, funding may be untimely or limited.

If a student answers "no" to every question in Section 2 of the FAFSA, the student’s application will be processed as a dependent, with parental information and signature. If a student is unable to obtain parental information or, in limited situations, finds it is inappropriate to do so, there may be options. See the RCC Independence Requirements form at www.roguecc.edu/FinancialAid/ Forms.

2. Once the federal processors have evaluated a FAFSA, they will email the results to the applicant in the form of a Student Aid Report (SAR) and to the colleges the student listed. Once RCC receives electronic SAR information, the Financial Aid office will email students if additional application documents are required.

3. Complete and return any requested documents right away. Students will be notified of financial aid eligibility per an official award letter or eligibility notification, both issued by RCC in good faith and based on information available at the time. Recipients must review and accept the Conditions of Accepting Financial Aid which includes policies such as Satisfactory Academic Progress and Return of Title IV prior to accessing their award letter.

4. Students interested in part-time work and/or student loan options may apply once the award letter or eligibility notification is issued and prior to term application deadlines. The loan application process opens the week of June 6, 2016. More information about these programs and application deadlines is available from Rogue Central and on the Financial Aid website.

Where's the aid?
Students who complete their aid application by the RCC Financial Aid Priority Application deadline should see their term awards on their RCC student account about one week prior to the term, in time to charge books and supplies at RCC bookstores. To purchase books elsewhere, submit a Book Allowance Request Form to Rogue Central through the first week of the term.

On the second Friday of the term, students who have extra financial aid on their RCC student account will receive an electronic refund via Higher One®. For students who are dual-enrolled at SOU and have submitted a dual enrollment form, RCC will issue payment to SOU before releasing a refund of extra financial aid to Higher One® accounts. Refunds are electronically transferred twice each week after the initial refund, through finals week. Refunds are not issued the week after a term while academic progress is being reviewed.

NOTE: After RCC receives your SAR and you register for classes, look for a Higher One® welcome package in the mail. Activate the electronic refund preference immediately to avoid delays in receiving the refund. For questions visit www.myonemoney.com.
Return of Title IV funds policy

When students receive financial aid but totally withdraw before completing 60 percent of a term, or if they earn a combination of all F, NP, W, or Z grades (unofficial withdrawal), RCC must calculate how much aid was unearned and must be repaid. Students may owe a repayment to RCC as well as to federal programs. Repayment in full is required before they can enroll again or get future financial aid. Students should carefully consider other options before withdrawing.

For more information see the "Withdrawing?" repayment policy brochure at www.roguecc.edu/FinancialAid/forms.

How to get/keep financial aid

- Be admitted to RCC and declare an aid-eligible major.
- Enroll in courses that satisfy graduation requirements for your major(s).
- Attend classes.
- Maintain satisfactory academic progress (SAP) for financial aid recipients.

Aid will be adjusted to match the aid-eligible enrollment level as of the drop deadline, which is the second Wednesday of the term.

RCC defines term enrollment levels as follows:

- Full-time: 12 or more aid-eligible credits
- Three-quarter-time: 9-11
- Half-time: 6-8
- Less-than-half-time: 1-5

Awards made after the drop deadline will be based on actual aid-eligible enrollment. Awards generally are not adjusted after eligible payment except in the case of no attendance, a complete withdraw before 60 percent of the term, or documented institutional error. For more information on how withdrawing might affect financial aid, review the “Withdrawing?” repayment policy brochure at www.roguecc.edu/FinancialAid/forms.

Satisfactory academic progress requirements

To qualify for or maintain financial aid eligibility, a student must be making satisfactory academic progress for financial aid toward an aid-eligible program.

For more information, see the RCC Satisfactory Academic Progress policy at www.roguecc.edu/FinancialAid/Forms.

Dual enrollment

If concurrently enrolled in program credits at RCC and another institution, RCC may be able to serve as the home institution and base financial aid on combined credit load. For consideration, submit at the beginning of the term either a per-term dual enrollment form for Southern Oregon University or Oregon State University or a dual enrollment non-SOU consortium agreement for other institutions. Forms are available at www.roguecc.edu/FinancialAid/Forms.

Rogue Community College reserves the right to deny such a request if, for example, it is submitted late, the student does not maintain minimum credits, the credits are not applicable to the RCC program of study, or prior-term grades were not submitted or reflect a lack of successful completion.

Types of financial aid

The amount and availability of financial aid and eligibility criteria may vary with each program. The following list provides general information about available student aid programs:

1. Grants and scholarships are awards that generally do not require repayment.
   - Federal Pell Grants of up to $5,815 annually are disbursed over the equivalent of three full-time terms. If a student’s annual enrollment exceeds the equivalent of three full-time terms, spring-term funding may be limited or unavailable. Lifetime maximum is 18 full-time equivalent quarters.
   - Iraq and Afghanistan Service grants of up to maximum Pell, less up to 7.3 percent may be available in lieu of FAFSA applicants with the high-est need may be eligible. For more information, call 800-452-8807, or visit www.osac.state.or.us/oog.html. Lifetime maximum is 12 full-time equivalent quarters.
   - Oregon Opportunity Grants are up to $2,250 annually. They are awarded by the Oregon Student Access and Completion (OSAC) to Oregon residents who enroll at least half time fall, winter or spring terms (full value requires full-time enrollment). Funding is limited; only FAFSA applicants with the highest need may be eligible. For more information, call 800-452-8807, or visit www.osac.state.or.us/oog.html. Lifetime maximum is 12 full-time equivalent quarters.
   - Oregon Promise Grant is new as of fall 2016 to qualified residents one-year prior to fall 2016 who graduated high school with cumulative 2.5 GPA or completed a GED with scores of at least 150 who enroll at least half-time at an Oregon community college as of fall 2016. The minimum otherwise covered by Pell or OOG.
   - Federal Supplemental Educational Opportunity Grants (FSEOGs) are worth up to $100 per term and awarded to early applicants who attend at least half time and who demonstrate high financial need. Funding is limited; submit the FAFSA early.
   - The RCC Foundation (www.rccfoundation.org) and the Oregon Student Assistance Commission (www.getcollegefunds.org) provide numerous scholarship opportunities. In addition, RCC maintains an on-line list of scholarships made possible by various organizations. Amounts, eligibility, and application deadlines vary. Peak application season is mid-fall through early March, but some opportunities exist year-round.
   - Contact Rogue Central for more information, or visit RCC Scholarship Central at www.roguecc.edu/FinancialAid/scholarship.

NOTE: RCC does not participate in the federal TEACH grant.

2. Part-time student work programs are administered through RCC’s Student Employment Services.
   - M Building, Redwood Campus, Grants Pass, 541-956-7091
   - G Building, Riverside Campus, Medford, 541-245-7762
   - Room 217, Table Rock Campus, White City, 541-245-7091

The Federal Work Study (FWS) program provides jobs for students who maintain at least half-time enrollment and demonstrate financial need. Once hired, students complete employment paperwork with Student Employment Services. An award of up to $1,200 per term is added to the Award Letter. Awards are subject to the availability of funds. Eligibility does not guarantee a job. Due to limited funding, RCC reserves the right to convert FWS employment to the RCC institutional Learn and Earn program.
For information about other student employment opportunities such as the RCC Learn and Earn program, see Student Employment Services.

3. Federal Direct Loans (FDL) represent student debt that must be repaid with fees and interest. At least half-time, aid-eligible program enrollment is required. To monitor your student loan portfolio, visit www.nslds.ed.gov. Use Social Security number, date of birth, last name, and federal PIN to access information.

RCC offers subsidized and unsubsidized Federal Direct Loans.

• Subsidized FDL eligibility is based on budgetary need and is awarded up to annual maximums based on dependency status and grade level. Interest is charged to the borrower only after no longer enrolled at least half-time. New borrowers as of 7-1-13 lose subsidy if their program is not completed within 150 percent of published length.

• Unsubsidized FDL eligibility is not based on financial need. Aid can be awarded up to the lesser of 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, upon request, to avoid capitalization.

Rogue Community College accepts an annual FDL application after an Award Letter or Eligibility Notification has been issued and before the term’s application deadline. The deadline is published at www.roguecc.edu/FinancialAid/FDL.

An application includes online and workshop-based loan-entrance counseling for first time borrowers, a loan request form and an active master promissory note, which must be on file with the U.S. Department of Education. Borrowers may reduce or cancel a loan up to 14 days after disbursement or pre-pay anytime without penalty. Per HEA, sec. 479 (a)(c), 34CFR 685.301 (a)(g), RCC has the right to refuse or limit origination on a case-by-case basis.

4. Students who need more financial aid than RCC determines they are eligible for can pursue scholarship opportunities. Alternative educational loans may be available after all federal aid is exhausted, but these loans come at a higher cost, often require a co-signer to qualify and are not federally regulated. Consumers should carefully review terms and conditions. For more information, contact Rogue Central. RCC has the right to refuse or limit origination.

NOTE: RCC does not participate in federal PLUS or Perkins loan programs.

If annual financial aid was limited by a student's estimated cost of attendance, and the student’s program of study requires a professional credential prior to graduation, RCC may be able to add this one-time cost in the student’s budget, which may result in additional loan eligibility.

To apply, submit a written request to Rogue Central with a statement from the appropriate academic department regarding the cost of the professional credential, the cost that will be incurred, and the anticipated date of program completion.

Students who have disability-related or other significant education-related, out-of-pocket expenses may submit a written request, with documentation, to have the cost of attendance adjusted.

**Tuition awards**

**Displaced worker tuition award**

The goal of the displaced worker tuition award is to extend services and opportunities to displaced workers who are ineligible for agency funding during the first term of enrollment. This award, with sponsor assistance, will help workers move more quickly into training and into the local job market.

Displaced worker tuition award forms are available online at www.roguecc.edu/Enrollment/forms. Forms must be submitted with payment.

**Foster youth tuition and fee waiver (HB 3471)**

Those qualified by the Department of Human Services as eligible may receive up to tuition and standard fees not otherwise paid for with federal/state grants.

**High school/GED tuition award**

The RCC buy-one, get-one-free plan waives tuition for up to 6 credits when enrolling for up to 12 credits in a single term. Participants must use the waiver within one year of enrolling at RCC and pay all required student fees based on their enrollment levels.

Eligible participants are:

• Graduates within the past year of a Josephine or Jackson County high school.

• General Educational Development completers who earned a GED® certificate within the past year in Jackson or Josephine counties.

**Lifelong learner tuition award**

A lifelong learner is an Oregon resident, 65 or older, who audits up to 8 credit hours per term for academic enrichment. Lifelong learners may take most courses offered at the college. Tuition for courses is waived. All associated fees, books and supplies are paid by the lifelong learner. For information email enrollspec@roguecc.edu.

**Veterans tuition awards**

• Oregon Nation Guard/Selected Reserves: GOArmyEd, website: https://www.goaarmyed.com/ The Tuition Assistance (TA) program provides financial assistance for voluntary off-duty education programs in support of a Soldier’s professional and personal self-development goals. TA is available for courses that are offered in the classroom or by distance learning and is part of an approved academic degree or certificate program. The courses must be offered by schools that are registered in GoArmyEd, are accredited by accrediting agencies that are recognized by the U.S. Department of Education and are signatories to the current Department of Defense Memorandum of Understanding (DOD MOU).

For academic programs, associate’s, bachelor’s, or master’s degrees, TA may not be used for a lower or lateral degree program from the one the soldier currently possesses. In addition to degree programs, TA is available to Soldiers to complete a high school diploma and to complete certificate programs. TA is not authorized for programs of study beyond a master’s degree.

All eligible soldiers will request TA through GoArmyEd. Visit https://www.goaarmyed.com/public/public_money_for_college-tuition_assistance.aspx to see if you are eligible for this program. You may also contact Ann Browning at 503-584-3434, or ann.browning@us.army.mil.

• Dependents of Fallen Oregon Service Members. To honor military service to our country, RCC will grant tuition for up to 135 credits to dependents of an Oregon resident soldier who became
toldly (100 percent) and permanently disabled in connection with active military service if those dependents are not covered by financial aid, veterans education benefits, or other funding source. For dependents of an Oregon resident soldier who died as a result of active military service, RCC will grant tuition for up to 135 credits, regardless of additional funding sources. More information is available from RCC veterans advisers. The Dependents of Fallen Oregon Service Members form is available at www.roguecc.edu/Enrollment/forms.

Financial Literacy SALT
Rogue Community College contracts with American Student Assistance to offer SALT, a financial literacy tool that provides real-world money skills, financial guidelines, tools for managing loans and finding scholarships, and expert financial counseling. Students and alumni are encouraged to sign up at www.SALTmoney.org.

Graduation
www.roguecc.edu/Enrollment/Graduation
• Enrollment Services, 541-245-7737
Graduates are formally recognized at commencement ceremonies each June. Students in degree or certificate programs must submit an application for graduation two terms prior to anticipated completion. To participate in the June commencement ceremony, submit applications by early February. Graduation applications are available online at roguecc.edu/Enrollment/forms.

Students who completed their programs at the end of academic terms during the year prior to commencement and those who will complete requirements during the summer term after commencement are invited to participate in the ceremonies. Graduation with honors is based on cumulative GPA of 3.5 or higher computed through the end of winter term. Students who meet this criteria may wear an honor cord in recognition of academic achievement.

Degrees and certificates will be mailed to eligible graduates approximately four to six weeks after final grades are available for verification. Diplomas will be mailed to students addresses on file with the college.

Graduation requirements

Computer proficiency exam
• Student Services Building, Redwood Campus, 541-956-7192 or 541-956-7213
• F Building, Redwood Campus, 541-956-7066
• G Building, Riverside Campus, 541-245-7552
• Higher Education Center, 541-245-7527
• Table Rock Campus, Room 187, 541-245-7863

The college requires that students complete a computer proficiency requirement in most of its degree and certificate programs. For most students, this requirement can be met by taking and passing with a grade of "C" or better in an approved 3-4 credit computer science course, numbered CS120 or above, within the last 10 years (some CS-numbered courses do not fulfill the requirement and are so designated within the course description section of this catalog).

Students who have the requisite computer skills, are not computer science majors, and do not want to take other computer courses at RCC may opt to fulfill the requirement by taking the computer proficiency exam for a $20 non-refundable fee. This exam does not waive a CS120 prerequisite for another course. See an adviser for more information.

For business students, the BA130 proficiency exam tests basic computer and file management skills. The exam is proctored and must be completed in person.

Students passing the exam will not have to take the BA130 class and can enroll in BA131 Introduction to Business Computing. There is a $20 non-refundable fee to take this exam, which is given two or three times every term on each campus. Visit www.roguecc.edu/business for more information.

Time limit for program completion
There is no time limit to complete a certificate or degree program as long as it has not been terminated or suspended and the required program-specific courses are still offered at RCC. The college may elect any set of catalog requirements to complete from the year a student begins a program through the current year. Degree and certificate awards are dependent on program availability at the time of completion. Requirements for many programs are subject to change each year. If students have had a gap in enrollment of more than four consecutive terms, consult an adviser about available catalog year options.

RCC has the right to terminate, suspend or reinstate its academic programs at any time. In the event a program is terminated or suspended, declared majors making significant progress each term in that academic year will be identified and formally advised of the program’s status. RCC will then assist those students in completing requirements whenever possible as part of a formal teach out plan. Students who do not comply with the requirements of the plan may forfeit their rights to complete the program. Should that happen, students will be advised about other program opportunities that exist should they wish to choose another major.

Graduation Residency Requirement
Students must earn a minimum of 24 credits toward the degree at RCC to earn a two-year degree, a minimum of 12 credits toward a certificate at RCC to earn a one-year certificate, or at least 25 percent of total credits toward a less than one-year certificate or a Career Pathway certificate. The remainder of credits required to graduate may be transferred from an accredited institution or earned through credits for prior learning.

Human development and career guidance
• Student Services Building, Redwood Campus, 541-956-7190
• G Building, Riverside Campus, 541-245-7552

The Human Development Department offers a variety of classes for students and community members, aimed at building personal skills and overcoming barriers to college success. Some offerings are:
• CG105, Scholarship Essay Writing. A 1-credit class that can help students write winning scholarship essays.
• CG100, College Success and Survival. A tuition-free, 2-credit class that provides information about RCC programs, choosing a major, and strategies for academic success.
• CG111, Study Skills for Math Success. Offers study tips, test taking strategies, and tools for anxiety reduction.
• CG140, Career Development. Provides tools for making informed career decisions.
**Latino services**
www.roguecc.edu/LatinoServices

**Educación, un Mundo de Oportunidades (EMO)**
541-245-7722

EMO es un nonprofit one-day educational conference designed to assist Latino high school juniors and seniors from Jackson and Josephine counties. The conference provides relevant information about postsecondary education and other valuable resources for achieving success in college and beyond.

**Helping Oregon Latinos Advance (HOLA)**
541-245-7538

HOLA es un programa transición diseñado para aumentar la preparación de los estudiantes de la escuela secundaria a RCC. La clase de una semana incluye:
- Visitas a los tres RCC campuses.
- Divíértase con nuevos amigos de RCC.
- Aprender a ser un estudiante universitario.
- Identificar cómo conseguir dinero gratis para su educación.
- Planificar qué clases tomar.
- Ganar créditos universitarios gratis.
La clase también incluye almuerzo, refrigerios, transporte y equipo estudiantil. Para más información, contacte a 541-245-7538.

**Rogue Central**
www.roguecc.edu/Enrollment/RogueCentral.asp and RCS@roguecc.edu

- Student Services Building, Redwood Campus
- G Building, Riverside Campus
- Room 189, Table Rock Campus

Registration, cashing and financial aid services are available at one convenient location on each campus. Rogue Central handles all payments made by students including tuition, fees, and tuition installment payment plans.

**Student life**
www.roguecc.edu/StudentLife

- Student Center/Cafeteria, Redwood Campus, 541-956-7128
- G Building, Riverside Campus, 541-245-7727

Rogue Community College student life programs provide opportunities for students to develop and enhance leadership skills and gain experiences that benefit the college community. Programs include the traditional student development activities of student government, student activities, and student clubs.

**Athletics department**

The Rogue Community College Ospreys became a member of the Northwest Athletics Conference (NWAC) in 2015. As a member of the southern region of the NWAC (www.nwacc.org), RCC hosts men’s and women’s soccer and cross country. RCC team colors are blue and green. For more information or to apply as an athlete, go to www.roguecc.edu/Athletics. Go Ospreys!

**Clubs**
www.roguecc.edu/StudentLife/Clubs-organizations.asp

- ASGRCC Offices, Student Center, Redwood Campus, 541-956-7033
- G Building, Riverside Campus, 541-245-7729

The Associated Student Government of Rogue Community College (ASGRCC) provides the initial funding for on-campus clubs and organizations. The roster of clubs may change each year depending upon interest and active participation. Some examples of clubs are Anime Anonymous, Christ on Campus, Club Latino, Triumph Club, Veterans Club, Sustainability Club, and the Drama Club.

Students interested in more details or in initiating a new club on campus should contact the director of clubs or stop by the ASGRCC offices on the Redwood or Riverside campuses.
El Club Latino
www.roguecc.edu/ClubLatino
541-245-7729 or 245-7722
El Club Latino de los condados de Josephine y Jackson son uno de las más grandes y activas asociaciones estudiantiles del campus de Riverside. Los miembros participan en actividades escolares y comunitarias en los dos condados para beneficiar e instruir la comunidad latina en cuanto a una variedad de asuntos.

Honor Society
(Phi Theta Kappa)
www.roguecc.edu/AZP
- Redwood Campus, 541-956-7083
- Riverside Campus, 541-956-7083
Academic excellence is the primary hallmark of Phi Theta Kappa, an honor society serving two-year colleges that offer associate degree programs. Other standards of membership in the RCC Chapter, Alpha Zeta Pi, include leadership, service, and fellowship.

Members must meet the following criteria:
- Attain a cumulative GPA of 3.50 or higher after completing at least 18 lower-division transfer credits.
- Be enrolled for at least 6 credits (transfer and/or career technical education courses).
- Be a degree-seeking student. (Because PTK is an associate's degree honor society, certificate majors are not eligible.)

PTK members also attain regional and national recognition through comprehensive awards programs, develop interpersonal communication and leadership skills, take part in numerous social activities, and provide a variety of services to the college and community.

PTK members are eligible for many scholarships. Eligible members are notified via email fall, winter and spring terms.

Intramural sports
- ASGRCC Office, Student Center/Cafeteria, Redwood Campus, 541-956-7033
- ASGRCC Office, G Building, Riverside Campus, 541-245-7729
Intramural sports such as badminton, basketball, volleyball, and softball are coordinated through the Associated Student Government of Rogue Community College (ASGRCC) and the Health, Physical Education and Recreation (HPER) Department. Students interested in intramural on-campus activities such as tournaments are invited to contact the ASGRCC Intramural coordinator.

Student government
www.roguecc.edu/ASGRCC
- Student Center/Cafeteria, Redwood Campus, 541-956-7033, 541-956-7034
- G Building, Riverside Campus, 541-245-7729
The Associated Student Government of Rogue Community College (ASGRCC) coordinates student activities and clubs, supports special events, represents the students to the college administration, and works on political issues. General fund allocations contribute funding for cultural activities, guest speakers and entertainers, and special campus events. ASGRCC also provides assistance to campus departments by helping fund academic and cultural field trips.

Officer presiding in the following positions are either elected by the student body during the spring term, or appointed by the ASGRCC Executive Council as needed:
- President
- Vice President
- Director of Activities
- Director of Clubs and Organizations
- Health and Wellness Coordinator
- Executive Secretary
- Intramural Coordinator
- Director of Publicity and Media
- Student Senators
Student government officers receive a stipend for their services to the student body and the college campus. Ad hoc representatives may be appointed to paid and/or volunteer positions.

Positions may vary on each campus.

Student Services Assistants
Student Services Assistants (SSAs) are a select group of students trained to assist other RCC students. They assist with scheduling placement tests, help with computerized career programs, and provide information about college procedures and resources.

Wellness activities
- ASGRCC Office, Student Center/Cafeteria, Redwood Campus, 541-956-7034
- G Building, Riverside Campus, 541-245-7729
The Associated Student Government of Rogue Community College (ASGRCC) Wellness Program encourages students to seek lifestyles which enable them to achieve their highest potential of wellbeing. ASGRCC works with the Health, Physical Education and Recreation Department to schedule events designed to achieve this mission.

TRiO programs
TRiO/Educational Opportunity Centers
www.roguecc.edu/TRiOEJC
- Wiseman Center, Redwood Campus, 541-956-7097
- G Building, Riverside Campus, 541-245-7699
The TRiO Educational Opportunity Centers provide counseling, information, and assistance on all aspects of college admissions to qualified high school seniors and adults who want to enter or continue a program of postsecondary education. Serving Jackson and Josephine counties, TRiO/EOC provides services free of charge to income qualified participants, including:
- Academic advice.
- Career workshops.
- Counseling for financial aid, scholarships and loans.
- Pre-college testing assistance.
- Assistance in completing financial aid and admissions applications.
- Assistance with test and college admission fees.
- College research.

Eligible participants must meet one of the following criteria: be a first-generation college student (neither parent has a bachelor’s degree); be classified as low income by federal guidelines; or be a U.S. citizen, national, or permanent resident with an alien registration number.

TRiO/Educational Talent Search
www.roguecc.edu/TRiOETS
Table Rock Campus, 541-245-7747
The TRiO Talent Search program serves middle and high school students in Jackson County who may benefit from services designed to enhance persistence and graduation rates. Services are offered at no cost to eligible participants attending target schools.

Services include:
- Support for high school and middle school students (grades 6-12).
• Grade-specific “college-prep” workshops.
• Academic and pre-college planning activities.
• Assistance in completing financial aid and admissions applications.
• Academic tutoring and mentoring.
• Financial aid, scholarship and college admissions counseling.
• Assistance with pre-college test preparation.
• College application and test fee waivers.

Eligible participants must meet one of the following criteria: be a first-generation college student (neither parent has a bachelor’s degree); be classified as low income by federal guidelines; or be a U.S. citizen, national, or permanent resident with an alien registration number.

TRiO/Student Support Services
www.roguecc.edu/TRiOSSS
Redwood Campus, Josephine Building, 541-956-7342
Riverside Campus, G Bldg. 207, 541-245-7547

TRiO/SSS assists RCC students who intend to transfer to a four-year institution and complete a bachelor’s degree. Students receive enhanced support at no additional charge as they successfully complete RCC courses and prepare to transfer.

Eligible students must meet one of the following criteria: have been raised by parents or caregivers who have not earned a bachelor’s degree, have financial barriers, or have a documented disability.

Students also must have completed or be currently enrolled in MTH65 and WR115.

Services provided by TRiO/SSS:
• Academic and transfer advising.
• Career guidance and financial literacy.
• Peer tutoring and mentoring.
• Scholarship and financial literacy workshops.
• Study groups for college success.
• Student lounge with computers and kitchen area.
• University tours and cultural activities.
• Tuition-free transfer classes.

Each TRiO Student Support Services program at Rogue Community College is funded by federal TRiO grants that average $233,792 per year.

Veterans Services
www.roguecc.edu/veterans
• Redwood Campus, Student Services Building, 541-956-7109
• Riverside (G building) and Table Rock Campuses, 541-245-7738

Veteran Services are available to RCC students in Jackson and Josephine counties.

Transcripts
Veterans receiving GI Bill benefits, while attending RCC, are required to obtain official transcripts, military transcripts and all previously attended colleges, universities and technical schools. Veterans submitting transcripts will receive priority evaluation in an effort to not duplicate courses.

Send official transcripts to:
Rogue Community College
3345 Redwood Hwy
Grants Pass, OR 97527

Getting Started at RCC
For information about starting at RCC and obtaining Veterans Educational Benefits, visit the RCC Veteran Services website. The website will direct you to completing your FAFSA (Financial Aid) application. If you have questions on how to get started at RCC, please contact a veterans coordinator on the Redwood or Riverside campuses.

RCC offers veteran students with assistance of the GI Bill application process, priority registration, Boots to Books Orientation training, on and off campus Veteran resources, and VA Work-Study opportunities. Our veterans coordinators will help you make the transition from service member (and dependent) to successful RCC student and graduate.

Applying for your Veterans Benefits
To apply for your Veterans educational benefits please visit VONAPP at http://vabenefits.vba.va.gov/vonapp/default.asp. When you have received your Certificate of Eligibility for the VA, a veteran coordinator will complete an Enrollment Certification form and forward it to the VA for processing. Veteran coordinators at RCC are unable to determine student's eligibility for benefits. Veterans are welcome to access veteran coordinators prior to receiving Enrollment Certification (form 1999) for planning purposes.

Boots to Books Veterans Orientation
The Veterans Department at RCC assists veteran students who are utilizing their educational benefits to attend college. The Boots to Books orientation for new students is one hour and mandatory when you begin your academics at RCC. You will learn how to access benefits specific to your chapter, how to navigate the college systems, and find resources to compliment your college experience. Visit the Veterans website to sign up electronically.

Veteran Resource Center
• Redwood Campus - Student Center Building, 541-956-7289
• Riverside Campus - G Building, 541-245-7749

Rogue Community Colleges VRC Mission Statement:
At Rogue Community College our Veterans Resource Centers (VRC) are committed to assisting military students, dependents and spouses to transition successfully from the military environment to campus life as they learn to navigate through the education process and progress toward completing their academic degree.

Assistance includes:
• Financial aid and disability services.
• GI bill application.
• Peer-to-peer support.
• Campus and RCC website navigation.
• Scholarship applications.
• MyRogue student portal assistance.

VRCs offer Veteran Students a collaborative and cooperative environment from every branch and era of service.

Veterans Access, Choice, and Accountability Policy
The following individuals shall be charged the in-state rate, or otherwise considered a resident, for tuition and fees purposes:
• A Veteran using educational assistance under either chapter 30 (Montgomery GI Bill – Active Duty Program) or chapter 33 (Post-9/11 GI Bill), of title 38, United States Code, who lives in the State of Oregon while attending a school located in the State of Oregon (regardless of his/her formal State of residence), and enrolls in the
school within three years of discharge or release from a period of active duty service of 90 days or more.

- Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319) who lives in the State of Oregon while attending a school located in the State of Oregon (regardless of his/her formal State of residence), and enrolls in the school within three years of the transferor’s discharge or release from a period of active duty service of 90 days or more.

- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the State of Oregon while attending a school located in the State of Oregon (regardless of his/her formal State of residence), and enrolls in the school within three years of the Service member’s death in the line of duty following a period of active duty service of 90 days or more.

- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge, release, or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

**Voter registration**

Rogue Community College is committed to promoting voter registration and civic engagement among our students. The Associated Student Government is an active force in this effort and works to ensure each student is aware of voter resources. For more information and to register online, visit www.oregonvotes.org.
Resources

Activities calendar
www.roguecc.edu/Calendar
College events or activities planned at RCC and RCC-affiliated events to be held off campus may be included on the RCC activities calendar on the college website.

Use the online form to submit information for the activities calendar. Provide the name of the event and a thorough description: time, place, duration, cost, Web link, contact name and phone number. Allow one to two days for the information to be posted.

Adaptive technology lab
www.roguecc.edu/DisabilityServices

- Tutoring Center, Wiseman Building, Redwood Campus, 541-956-7337, Oregon Telecom Relay Service, 711
- B Building, Room 9, Riverside Campus, 541-245-7537, Oregon Telecom Relay Service, 711

The Disability Services Adaptive Technology Lab provides adaptive computer access and other technology for students with disabilities.

Contact Disability Services to make an appointment for more information and for adaptive technology demonstrations and use. Disability Services also coordinates academic accommodations for eligible students with disabilities. Refer to "Disability Services" in this catalog.

Art galleries
www.roguecc.edu/Galleries

Wiseman Gallery
Redwood Campus, 3345 Redwood Hwy., Grants Pass, 541-956-7241
Works of visual art from a variety of aesthetic, cultural, and social points of view in a variety of media are displayed in the Wiseman Gallery. Exhibits celebrate a range of work by artists of local to national prominence, as well as annual exhibits of student and faculty work. Exhibits are juried, and change regularly. The Art Department galleries also collaborate with a variety of community organizations and businesses on cultural events.

The Annex in Wiseman Gallery
Redwood Campus, 3345 Redwood Hwy., Grants Pass, 541-956-7241
A separate exhibit area highlights student work and special community exhibits.

This gallery serves as an adjunct to the Wiseman Gallery and is located next to the Tutoring Center. Art work is displayed on a rotating basis. Students interested in showing work at The Annex should contact the gallery director. Consultations are available with gallery staff to help exhibiting artists with presentation, publicity, and technical assistance.

FireHouse Gallery
Historic City Hall, 214 SW Fourth St., Grants Pass, 541-956-7489
Artwork by local, regional, national, and international artists is featured at the FireHouse Gallery. Various media, content, and art styles are presented to educate and inspire viewers from the college and community.

First Friday Art Night receptions are held monthly in cooperation with other downtown art venues and local businesses. Talks and workshops are held in conjunction with selected exhibits.

The Community Exhibit Room of the FireHouse Gallery hosts students, community artists, and special events.

RCC/SOU Higher Education Center art exhibits
www.rcc-sou.org
101 S. Bartlett St., Medford, 541-245-7741
Art created by RCC students, faculty and alumni, community artists, and from the RCC collection is on display in the RCC/SOU Higher Education Center. Exhibits are meant to enrich the cultural life of the college at large; the artwork changes on a rotating basis.

ATM
Automated teller machines are available in the following locations:
- Redwood Campus; Cafeteria
- Riverside Campus; Bookstore
- Table Rock Campus; East Commons

The ATMs provide free withdrawals for students with HigherOne or Rogue debit cards. Problems with an ATM should be reported by calling 866-720-2066.

Auto repair
S Building, Redwood Campus, 541-956-7175
Students in the RCC Automotive program repair cars that are 15 years old or newer when the work is related to their classes. Students and community members may bring their cars in for service. Call for an appointment. Charges are for parts, plus a $25 service fee; there is no charge for labor.

Bookstores
bookstore.roguecc.edu
- N Building, Redwood Campus, 541-956-7160
- B Building, Riverside Campus, 541-245-7591
- Room 103, Table Rock Campus, 541-245-7870

The RCC bookstores offer course textbooks, study aids, clothing, gifts, fan gear, and a wide variety of school supplies. Books and items not in stock may be available by special order.

Bookstore hours will be posted at each location and at bookstore.roguecc.edu. Extended hours are offered during the first week of the term.

Textbooks may be returned for a full refund through Wednesday of the second week of the term, providing they are returned in the exact condition as purchased and accompanied by a receipt.

A textbook buyback is offered at the Redwood Campus and Riverside Campus bookstores during the last week of each term. See the Academic Calendar for buyback dates.

Bulletin boards/posting
- Student Services Building, Redwood Campus, 541-956-7187
- Student Services, G Building, Riverside Campus, 541-245-7764
- RCC/SOU Higher Education Center, 541-552-8100
- Table Rock Campus 541-245-7965

Permission to post flyers and other information on RCC bulletin boards must be obtained from these offices.

Bus service
www.roguecc.edu/Maps
Regularly scheduled bus service in Grants Pass and Medford is available to RCC students with a current student ID and a bus pass purchased for the term.

Transportation in Josephine County is provided by Josephine Community Transit. The service picks up and delivers students.
to the Redwood Campus near the library. The Rogue Valley Commuter Line is operating between Grants Pass and Medford with transfers available to stops in the Medford-Ashland area. Call 541-474-5452 ext. 2 for more information.

In Jackson County, Rogue Valley Transportation District provides bus service. Schedules are available at the counseling centers. Call 541-608-2423 for more information.

Check cashing

Tuition, books and supplies may be paid by personal check written for the exact amount.

Community resources

**Jackson County**

**HelpLine**

www.community-works.org/helpline

541-779-4357; toll free at 1-855-216-2111

HelpLine is a free, 24-hour crisis hotline serving Jackson County. Trained volunteers and staff address domestic violence, sexual assault, panic, depression, loneliness, isolation, suicide, homelessness, and other personal crisis. HelpLine also connects people in need to local crisis services including Dunn House Shelter (domestic violence) and Sexual Assault Victim Services (SAVS).

**211 Info**

211info.org or call 211

The Oregon 211 network provides free health and community-services resource information, including a guide to understanding the Veterans Health Administration, food-support grants, a guide to migrant worker health centers, and more.

**Josephine County**

**Options for Southern Oregon**

www.optionsonline.org

24-hour crisis line hotline: 541-474-5360

Options for Southern Oregon serves people of all ages who have mental health needs.

**Women's Crisis Support Team**

www.wcestjoco.org

24-hour crisis line: 541-479-9349 or 1-800-750-9278. Business line: 541-476-3877

Women’s Crisis Support Team services are designed to help survivors of abuse. Free and confidential, all services include 24-hour crisis line, support groups, court advocacy, information and referrals, children’s advocacy, emergency shelter, emergency transportation, community education and more.

**Computer labs**

- Coates Hall, Redwood Campus, 541-956-7424
- B Building, Riverside Campus, 541-245-7534
- RCC Library/Jackson County Central Library, 205 S. Central, Medford, 541-245-7512
- Table Rock Campus Library lab, 541-245-7820
- Table Rock Campus instructional lab, 541-245-7990
- Higher Education Center instructional lab, 541-552-8100

Excellent student computer facilities are available for all RCC students. Approximately 700 networked PC workstations are provided for student use. Most are connected to high-quality laser and color laser printers and image scanners.

In addition, all computers support access to the Internet, email, word processors, spreadsheets, data bases, graphic illustration, and nearly 100 other computer applications. Student data files can be saved on RCC’s network servers. All students must have a valid computer user ID and password to gain access to the computer network and applications.

Computer labs are open about 80 hours per week, Monday through Saturday. All computer labs with the exception of the library are staffed by aides who assist students with hardware and software use. There are also several specialized computer labs maintained by individual instructional departments to cater to the specified needs of their students.

**Copiers**

Coin-operated copy machines for student use are available in the following locations:

- Library, Wiseman Center, Redwood Campus.
- Jackson County Central Library, Riverside Campus.
- East Commons, Table Rock Campus
- Second floor, Room 218, RCC/SOU Higher Education Center, Riverside Campus.

**Distance learning — Rogue Online**

http://roguecc.blackboard.com

- Redwood Campus, 541-956-7038
- Riverside Campus, 541-245-7514
- Table Rock Campus, 541-245-7826

Earn credits toward a degree, or brush-up on work skills from home or office by taking Rogue Online courses. For many students, distance learning courses are the solution to managing full-time enrollment and full-time life.

Distance learning courses are similar to those held in a classroom. Students have a textbook, assignments and tests, an instructor and classmates. Students do not regularly attend class on campus but should devote at least as much time as they do to campus-based courses.

- Students must register for distance learning courses as they would for other RCC classes.
- To successfully complete a distance learning course, students need to be self-motivated, have good time management skills, and access to proper technology.
- Some distance learning courses require on-campus testing, labs or meetings.
- Because many online courses require students to watch streaming video programming, students should have access to a computer connected to the Internet (preferably high speed), a Web browser, and good technical skills.
- Full technical requirements can be found at roguecc.blackboard.com.

**Getting started**

Orientations are required for all RCC distance learning courses. In the majority of classes, instructors post their orientations online.

For students who are new to online learning or want to refresh their skills, technical orientation videos are posted on the Rogue Online website. Visit go.roguecc.edu/department/distance-learning and click the “Rogue Online website” link.

For more information or support call 541-245-7514.

All online teachers expect students to participate in the class during the first week of the term. Students should check the syllabus to find out what instructors expect. Students not participating during the first week of classes will be subject to the administrative drop policy.

RCC schedules network maintenance every Friday from 2 to 8 a.m. Online courses may be unavailable during these times.
Fees
Fees for distance learning courses will be assessed at the following schedule:
1 credit course – $10
2 credit course – $20
3 credit course – $30
4 credit course – $40
NOTE: RCC’s regular administrative drop policy applies to distance learning courses. For specific information on the steps needed to maintain course enrollment, visit roguecc.blackboard.com.

Early Childhood Education Center
Redwood Campus, 541-956-7309
The center was developed through a collaborative effort among RCC, Southern Oregon Head Start, Southern Oregon Educational Service District Early Childhood Services, and the City of Grants Pass.

The Head Start center serves 80 children aged 3-5 years old and their families. RCC parents who have low incomes or have children with special needs are encouraged to apply. The lab school also provides teaching, learning and observation opportunities for RCC Early Childhood and Elementary Education program students, as well as students from other RCC departments and high school students.

Fees
Fees for distance learning courses will be assessed at the following schedule:
1 credit course – $10
2 credit course – $20
3 credit course – $30
4 credit course – $40
NOTE: RCC’s regular administrative drop policy applies to distance learning courses. For specific information on the steps needed to maintain course enrollment, visit roguecc.blackboard.com.

Employer services
employment.roguecc.edu
Online, job-posting services are offered at no cost to community employers. For job postings, see the RCC website or call:
• Redwood Campus, 541-956-7091
• Riverside Campus, 541-245-7762

Food services
• Student Center/Cafeteria, Redwood Campus
• RCC/SOU Higher Education Center, Riverside Campus
• East Commons, Table Rock Campus
The Student Center/Cafeteria on the Redwood Campus provides a selection of food and beverages. Hours are posted. Vending machines in the Student Center offer snack items after regular hours.
A small café operated by outside vendors is located in the RCC/SOU Higher Education Center. It serves a limited variety of lunch and breakfast items, and beverages including espresso.
At the Table Rock Campus, an espresso bar in the East Commons sells snack items. Hours are posted.

Health services
Health care is not provided at the college. First aid kits are available in administrative offices. Dial 911 for emergencies.
RCC offers student accident and illness plan insurance. RCC does not administer this plan. More information is available from Human Resources at 541-956-7329.

Instructional Media Services/IP Video Network
• Coates Hall, Redwood Campus, 541-956-7038
• G Building, Riverside Campus, 541-245-7514
• Table Rock Campus, 541-245-7826
Instructional Media Services provides equipment and media services for faculty and students. In most classrooms at RCC there is a full range of equipment installed including projector, computer, document camera, and DVD/VHS player, all within a fully programmable touch panel system. Everything is available for staff and student use for presentations and projects.
IP video network services are also provided that include interactive video and audio connectivity available on all RCC campuses. Through this innovative system, classes are shared between RCC locations, meetings are conducted without participants having to drive, and connections are made to other community colleges and government agencies throughout Oregon. Web conferencing is available using the software system Collaborate. This service allows participation in live classes or meetings from a computer equipped with a microphone and headphones.

International education
www.roguecc.edu/studyabroad
Ryan Maple, 541-245-7619
International education at Rogue Community College prepares students to become globally literate and to possess cross-cultural skills necessary to function effectively in an interdependent world. To further this purpose, RCC offers instruction in foreign language, international studies, and cross-cultural communication.
To learn about opportunities to study or intern in a foreign country, please contact Ryan Maple, 541-245-7619, rmaple@roguecc.edu.

Learning centers
www.roguecc.edu/ABS
• Riverside Campus Learning Center, G Building, Medford, 541-245-7701
• Illinois Valley Learning Center, Kerby Belt Bldg., Kerby, 541-956-7455
• Redwood Campus Learning Center, K Building, Grants Pass, 541-956-7253
• Learning Resource Center, Table Rock Campus, White City, 541-245-7820

General Education Development (GED), basic skills, English as a Second Language, and citizenship instruction for adults not enrolled in college credit classes are offered at RCC learning centers.
Students must attend an Adult Basic Skills orientation to be enrolled. Contact one of the above learning centers for orientation information.

Library Services
go.roguecc.edu/department/library-services
• Wiseman Center, Redwood Campus, 541-956-7152, Fax 541-471-3588
• Central Library, Riverside Campus, 205 South Central Ave., Medford, 541-245-7512
• Learning Resource Center, Table Rock Campus, 541-245-7820, Fax 541-245-7975
NOTE: RCC Libraries are closed during breaks between terms. Check the library website for normal hours of operation.
The RCC Library serves the college with comprehensive library services. Students may request books and other materials online through the library catalog, which then may be delivered to any RCC campus of choice. The RCC Library also provides database access to thousands of online journals and e-books.
Every RCC Library branch has a least one large networked computer lab available for student, staff and faculty use. All computers provide access to the Internet, email, word processors, spreadsheets and other computer applications. High-quality laser printing also is available. All RCC libraries offer wireless access to the Internet and small-group study rooms.
Reserve book rooms provide short-term checkout of textbooks and videos on loan from instructors; special assignment materials such as cameras, anatomical models, graphing calculators, telecourse textbooks and videos.

Books, journal articles, and other materials not owned by the RCC Library may be borrowed without charge from library collections throughout the country using an inter-library loan service.

Information services include drop-in reference assistance, ready reference by phone and email, and in-depth research consultation. Reference librarians also instruct classes in research methods and technology, conduct library orientation tours, and collaborate with faculty in designing research assignments.

Lockers and showers
For students enrolled in physical education classes, lockers and showers are available in the Redwood Campus Gym, Grants Pass, and in C Building on the Riverside Campus, Medford. Students must supply their own locks, towels and personal items.

Lockers and showers also are available at the RCC/SOU Higher Education Center in Medford. Lockers are available for day-use only, and students must provide their own locks.

Mothering rooms
Facilities for nursing mothers are available to students and staff at all RCC campuses.
- Riverside Campus, B Building, 9th St. entrance
- Redwood Campus, Gymnasium, women’s locker room area
- Table Rock Campus, Room 179

The clean, private areas allow any breastfeeding mother on campus to breast feed or express milk. The rooms are accessible any time the buildings are open. For more information, contact Facilities and Operations.

Parking
www.roguecc.edu/Maps/Transportation.asp.

See pages 250-253 in this catalog for maps identifying available parking areas on or near all campuses. Parking in undesignated or restricted areas may result in fines and/or towing.
- Redwood Campus: Parking is free in designated lots.
- Riverside Campus: All parking adjacent to the campus is provided and monitored by Medford parking enforcement. Call 541-774-2082 for parking cost and permit information.
- Table Rock Campus: Parking is free in designated lots.

Restrooms
Public restrooms are available at these sites:
- Redwood Campus – Cafeteria/Student Center, Coates Hall, F, H, and L buildings, Josephine Building, Rogue Building, Student Services Building, T Building, Wiseman Tutoring Center and U Building (Gym).
- Table Rock Campus – first and second floors.
- Business Development Center.
- Illinois Valley Learning Center.

Security
www.roguecc.edu/Safety
To contact RCC Security for any location, call 541-218-2930.

Rogue Community College has contracted security officers on site at the Redwood Campus 24-hours a day, seven days a week. RWC relies on local law enforcement for police services and on Rural/Metro Fire Department and Grants Pass Department of Public Safety for fire safety services.

The Riverside Campus has security officers on site from 7 a.m. to 11 p.m., Monday through Friday and 7 a.m. to 7 p.m. on Saturdays. RVC relies on the Medford Police Department for police services and on the Medford Fire Department for fire safety services.

The Table Rock Campus has security officers on site when the campus is open for business Monday through Saturday.

TRC relies on the Jackson County Sheriff’s Department for police services and Fire District 3 for fire safety services.

Emergencies
If an emergency exists:
- Call 911 without hesitation (dial 8-911 if calling from a college phone).
- Then call Security at 541-218-2930.

Emergency information is located in every RCC building. All information regarding emergency procedures/plans are available on the RCC Security website above.

Emergency phones
Black emergency phones are located on the Redwood Campus in buildings G, I and J. These phones allow the user to call either 911 or campus security. Black emergency phones are located in all RCC/SOU Higher Education Center classrooms.

Reporting crime
Crime victims, regardless of how insignificant the crime, are encouraged to report the incident to security. In an emergency, follow the above procedure (see Emergencies). Otherwise, victims or witnesses should call the security phone number. Crime reports and any follow-up investigation will be kept on file.

Further questions or concerns should be directed to security staff at 541-218-2930.

Vehicle emergencies
Students may call Security if they have a dead battery. Staff will assist if possible.

State government
Oregon elections are held in May and November. A list of state elected officials is available at www.oregon.gov.

Student centers/lounges
Student centers and lounges offer space for students to relax, study and enjoy meals.

On the Redwood Campus, the Student Center is open during normal college hours. Student government offices are located in the center, as are rest rooms and a game room. Food service is available in the adjacent cafeteria; hours are posted.

On the Riverside Campus the student lounge in G Building is open during normal college hours. Student government offices and the Veterans Resource Center are located off the lounge. A student lounge and coffee bar are located in the RCC/SOU Higher Education Center.

On the Table Rock Campus, the student lounge in the East Commons provides an espresso bar and food service. Hours are posted.

Student Employment Services
https://www.governmentjobs.com/careers/roguecc/transferjobs
- M Building, Redwood Campus, 541-956-7091
- Riverside Campus and Table Rock Campus, 541-245-7762
On-campus student employment is available to students enrolled in 6 or more credits and maintaining a minimum of 2.0 GPA. (Minimum GPA may be higher for some positions.) For job listings, visit https://www.govjobs.com/careers/roguecc/transferjobs.

For off-campus community positions please visit http://employment.roguecc.edu.

**Student housing**

Rogue Community College does not provide student housing. Listings for private housing may be posted on RCC bulletin boards, or students may contact a local property management service.

**Substance abuse referrals**

Rogue Community College is a drug-free campus. Students who would like information regarding alcohol or drug treatment agencies are urged to contact the Counseling Department for assistance and referrals.

**Testing centers**

[www.roguecc.edu/TestingServices](http://www.roguecc.edu/TestingServices)

- Wiseman Center, Redwood Campus, 541-956-7340, FAX 541-471-3534
- G Building, Room 109, Riverside Campus, 541-245-7777, FAX 541-245-7651
- Learning Resource Center, Table Rock Campus, 541-245-7820, FAX 541-245-7975

The RCC Testing Centers provide monitored supplemental testing services for RCC credit courses (makeup, retake, accommodated), and online courses. In addition, the centers offer testing services for non-RCC exams (other institutions and agencies) for a fee of $30 per exam. Photo ID is required for all exams.

**TRS**

RCC uses Oregon TRS (Oregon Telecommunications Relay Service), a free service that assists communications between people who use text telephones (TTYs) and people who use voice telephones. Specially trained operators facilitate communications between the two callers. Each call is handled in strict confidence. Dial 711, to connect with a relay operator. The relay operator will dial the requested number and relay the conversation between the two callers.

- Disability Services, Redwood Campus, 541-956-7337
- Disability Services, Riverside Campus, 541-245-7537
- Oregon Telecom Relay Service, 711

**Tutoring centers**

[www.roguecc.edu/AcademicSkills/Tutoring.asp](http://www.roguecc.edu/AcademicSkills/Tutoring.asp)

- Wiseman Center, Redwood Campus, Grants Pass, 541-956-7213
- G Building, Riverside Campus, Medford, 541-956-7213
- Learning Resource Center, Table Rock Campus, White City, 541-245-7820

RCC provides free, drop-in tutoring to students registered in credit courses. The primary areas of tutoring are math, writing and science, but professional tutors are prepared to assist students with most subjects. For current Tutoring Center schedules, call the appropriate center, or check the website given above.

RCC also has an online tutoring service for all RCC credit students. Visit the tutoring website for more options.

A technology center (computer lab) is located at each tutoring center. Services include assistance with a variety of subjects and computer access for any RCC student.

**Vending machines**

Vending machines with drinks and snacks are available at several locations.

- Redwood Campus: Josephine Building, Rogue Building, Student Center/ Cafeteria, Wiseman Tutoring Center, Y Building.
- Riverside Campus: B and G buildings and RCC/SOU Higher Education Center.
- Table Rock Campus: East Commons and construction entrance.

**Walking/jogging trail**

A 1.6-mile walking/jogging trail winds through the forested area of the Redwood Campus. The Chuck Ruckman Memorial trail is named after a former RCC Forestry instructor who died in a plane crash in 1985.
Academic Skills

www.roguecc.edu/AcademicSkills

Instruction and tutoring in basic academics are available to students enrolled in credit courses. Academic Skills classes prepare students for post-secondary coursework and successful participation in the job market; tutoring provides one-on-one instruction and guidance in basic academics.

Credit classes

Courses are offered in basic reading, writing and mathematics to prepare students for college-level courses. Academic Skills also offers college-level courses in critical thinking, speed reading, vocabulary development, and effective learning and study strategies.

Students must take a placement test to determine their academic levels before enrolling. Some Academic Skills classes also may be required for certain career and technical programs.

NOTE: A student may receive federal and/or state financial aid for a maximum of 45 attempted developmental education credits (see the RCC Satisfactory Academic Progress policy brochure for a definition of “developmental education credits”). A student who is receiving financial aid and who enrolls in necessary developmental education credits beyond 45 must notify the RCC Financial Aid office in writing so that aid may be adjusted to reflect only eligible enrollment.

Notification should be given to Rogue Central on any RCC campus.

Adult Basic Skills (ABS)

www.roguecc.edu/ABS

• Riverside Campus Learning Center, G Building, Medford, 541-245-7701
• Illinois Valley Learning Center, Kerby Belt Bldg., Kerby, 541-956-7455
• Redwood Campus Learning Center, K Building, Grants Pass, 541-956-7253
• Learning Resource Center, Table Rock Campus, White City, 541-245-7820

Students who need to learn basic reading, writing and math skills, prepare for GED exams, learn English, or prepare for college placement tests may receive assistance through basic skills programs. There is a nominal charge for services.

New and returning Adult Basic Skills students should call a learning center in their area to schedule an ABS orientation.

In addition, employers who want to provide basic skills training for their workers may contract for services that are designed especially for their work sites. Call one of the centers listed above for more information.

Adult Basic Skills classes

Adults who need to learn basic reading, writing and math skills may attend classes tailored for their needs and study independently in a learning lab with assistance from qualified instructors. Students also may use the RCC learning centers for basic skills review prior to taking the college placement test.

General Educational Development (GED®)

www.roguecc.edu/GED

Students who are 16 years of age and older and who do not have a high school diploma may prepare to take the General Education Development (GED®) exam in English or in Spanish.

GED instruction is $71 a term. GED preparation in English is available at all campuses. GED preparation in Spanish is available in a classroom setting at the Riverside Campus Learning Center, G Building, and self-study with instruction is available on the Redwood Campus in Grants Pass and the Table Rock Campus in White City.

Students who are 16 or 17 years of age must present a referral for instruction or exemption from compulsory education from the school district in which they live before enrolling. Students who are home schooled under the auspices of the Southern Oregon Education Service District and who are 16 or 17 years of age must present a notification of home school enrollment letter and a referral for instruction.

The four-part GED examination covers social studies, science, literature and mathematics. Reading assessments in English or Spanish are required to ensure that students’ skills are at secondary levels. Students who have reading skills lower than secondary level are referred to basic skills or ESL classes for basic skills review before entering the GED program.

GED® Testing

www.roguecc.edu/GED

• Redwood Campus GED examinations, Grants Pass, 541-956-7100
• Table Rock Campus GED examinations, White City, 541-245-7808

The GED exam is computer-based. Candidates register, schedule, and pay online at ged.com or by calling 877-392-6433.

Four tests comprise the GED battery. The cost is $38 per test. GED testing is available in Jackson County at the Table Rock Campus and in Grants Pass at the Redwood Campus.

For an explanation of other requirements, visit the GED website at ged.com.

English as a Second Language (ESL)

www.roguecc.edu/ABS/ESL.asp

• Riverside Campus Learning Center, G Building, Medford, 541-245-7569
• Redwood Campus Learning Center, K Building, Grants Pass, 541-956-7253

English as a second language (ESL) instruction is $71 per term.

Students learn to speak, read, write and comprehend spoken English in ESL classes. They also learn to use computers and educational software with the help of qualified instructors.

Services for employers

ESL program, Medford, 541-245-7556

Basic Skills and ESL classes can be adapted to the specific needs of employers and their employees. The Adult Basic Skills and the Customized Training departments at RCC contract with employers to satisfy their needs, design curriculum, and provide instruction. Classes can be held at the employer or employee work site or at one of the RCC campuses.

Destrezas Básicas para Adultos

www.roguecc.edu/ABS

• Riverside Campus Learning Center, G Building, Medford, 541-245-7701
• Illinois Valley Learning Center, Kerby Belt Bldg., Kerby, 541-956-7455
• Redwood Campus Learning Center, K Building, Grants Pass, 541-956-7253
• Learning Resource Center, Table Rock Campus, White City, 541-245-7820

Los estudiantes que necesitan aprender lectura básica, escritura y matemáticas, prepararse para los exámenes de GED, o, aprender inglés pueden recibir asistencia a través de programas de destrezas básicas. Hay un cargo nominal por los servicios.

Estudiantes nuevos y aquellos que estén de regreso al programa de destrezas básicas deben llamar a un centro de aprendizaje en su área para programar una orientación.
Además, los empleadores que quieran proporcionar entrenamiento de destrezas básicas para sus trabajadores pueden contratar los servicios que están diseñados especialmente para sus lugares de trabajo. Llame a uno de los centros antes mencionados para obtener más información.

Los adultos que necesitan aprender lectura, escritura y matemáticas básicas pueden asistir a clases a medida para sus necesidades y el estudio de forma independiente en un laboratorio de aprendizaje con la ayuda de instructores calificados. Los estudiantes también pueden utilizar los centros de aprendizaje de RCC para revisar los conocimientos básicos antes de tomar el examen de colocación.

**General Educational Development (GED) en español**

www.roguecc.edu/GED

Los estudiantes que tengan 16 años o más y que no tengan un diploma de escuela preparatoria pueden prepararse para tomar el examen GED en Inglés o en Español. La instrucción del GED cuesta $65 por término o trimestre. Preparación para el GED en Inglés está disponible en todos los campus. Preparación para el GED en español está disponible atreves de clases en aula en el campus de Riverside en el Learning Center, Edificio G, y el auto-estudio con instrucción parcial está disponible en el campus de Redwood en Grants Pass y en el Campus de Table Rock en White City.

Los estudiantes que tienen 16 a 17 años de edad deberán presentar una rémision para la instrucción o la exención de la enseñanza obligatoria del distrito escolar en el que viven antes de inscribirse. Los estudiantes que son educados en casa, bajo los auspicios de Servicios Educativos del Distrito de Southern Oregon y que son 16 o 17 años de edad deben presentar una notificación acerca de la instrucción educativa en el hogar y una referencia de instrucción.

Las cuatro partes del examen de GED cubren las habilidades estudios sociales, cien-

cias, literatura y matemáticas. Las evaluaciones de lectura en Inglés o Español están obligados a garantizar que las habilidades de los estudiantes se encuentran en niveles de preparatoria. Los estudiantes que tengan habilidades de lectura más bajos que el nivel de secundaria serán referidos a las clases de destrezas básicas o las clases de ESL para revisar los conocimientos básicos antes de entrar en el programa de GED.

**Examen de GED**

www.roguecc.edu/GED

- Redwood Campus GED Examiner, Grants Pass, 541-956-7100 or 541-956-7167
- Table Rock Campus, GED Examiner, White City, 541-245-7808

El examen de GED ahora está basado en la computadora. Los candidatos pueden registrarse, reservar una hora de tomar el examen, y pagar por el examen por visitar GED.com o por llamar a 1-877-392-6433.

El examen consiste de cuatro pruebas en total. Las cuatro pruebas están administrados por $38 por cada prueba. (Hay que pagar la tarifa directamente a la agencia que administra el examen, Pearson Vue.) Hay dos centros de exámenes en que se puede tomar el examen del GED: uno está ubicado en el condado de Jackson (Jackson County) en el campus de Table Rock; el otro está ubicado en el condado de Josephine (Josephine County) en el campus de Redwood.

El examen que ahora está ofrecido es una serie nueva del examen de GED. Los estudiantes quienes empezaron partes del examen de GED antes del enero de 2014 y no recibieron sus GEDs necesitan empezar el proceso de tomar el examen de GED de nuevo. Antes del enero de 2014, el examen fue administrado por papel y lápiz. A partir de enero de 2014, los estudiantes necesitan pasar cada prueba del examen de GED en el examen nuevo basado en computadora.

Para una explicación de otros requisitos, visite el sitio web de GED: https://ged.com/. También se puede encontrar más información acerca del programa de GED que ofrece RCC en la página web http://www.roguecc.edu/GED/.

**Inglés como Segunda Idioma (ESL)**

www.roguecc.edu/ABS/ESL.asp

- Riverside Campus Learning Center, G Building, Medford, 541-245-7569
- Redwood Campus Learning Center, K Building, Grants Pass, 541-956-7253

Los estudiantes aprenden a hablar, leer, escribir y comprender inglés hablado en clases de ESL. También aprenden a usar las computadoras y software educativo con la ayuda de instructores calificados.

**Servicios para los empleadores**

Programa de ESL, Medford, 541-245-7556

Técnicas básicas y clases de inglés como segundo idioma puede ser adaptado a las necesidades específicas de los empresarios y sus empleados. El programa de destrezas básicas para adultos de RCC y el departamento de entrenamiento personalizado se acojan con los empleadores para satisfacer sus necesidades, diseñar un currículo, y proporcionar instrucción. Las clases se llevará a cabo en el lugar de trabajo del empleador o el empleado, o en uno de los campus de RCC.
Children on campus

Only students who are enrolled in classes or labs may sit in on the classes or labs unless the individual instructor and/or department head makes an exception.

Children 14 or younger are not permitted on campus unless directly supervised by a responsible adult. The responsible adult may be asked to remove any child or children who are being disruptive.

Exceptions to the above include students at RCC by invitation for special events or class field trips.

Copyright infringement

RCC complies with all laws relating to copyright materials. See RCC Administrative Procedures at www.roguecc.edu/GIAP.

Copyright infringement occurs when a copyrighted work is reproduced, distributed, performed, publicly displayed, or made into a derivative work without the permission of the copyright owner. This includes unauthorized peer-to-peer file sharing.

Copyright infringement may subject students to civil and criminal liabilities. They may be ordered to pay actual damages or “statutory” damages of not less than $750 and not more than $30,000 per work infringed. For “willful” infringement, a court may award up to $150,000 per work infringed. A court also can assess costs and attorneys’ fees.

Willful copyright infringement also can result in criminal penalties, including imprisonment of up to five years and fines of up to $250,000 per offense. For more information, visit www.copyright.gov.

RCC librarians are available to help with copyright issues. Librarians can assist in obtaining copyright permissions and in locating materials in databases that may be used without the need to get copyright permission.

Discrimination

www.roguecc.edu/BoardPolicies

RCC does not discriminate on the basis of race, religion, color, national origin, age, sex, veteran status, marital status, sexual orientation, genetic information, disability, or any other characteristic protected by federal, state or local laws in employment or in any of its educational programs or services (Board Policy, Appendix 1: Human Rights Policy).

Notice of Non-Discrimination and Title IX Compliance

web.roguecc.edu/title-ix-and-sexual-misconduct

RCC values and respects the rights and dignity of all individuals. The college’s Policy on Discrimination, Harassment, and Sexual Violence states that all employees and students shall be able to work and learn in an environment free of discrimination and harassment. Complaints about behavior that may be in violation of this policy will be promptly investigated. This policy, complaint and investigation procedures, and contact information for trained coordinators may be accessed by visiting the above-referenced website, the Counseling Department, or Human Resources.

Satisfactory academic standing and progress

www.roguecc.edu/Enrollment/SASP

A student is considered to be in good academic standing and making satisfactory academic progress if the student maintains at least a 2.0 grade point average (GPA) each term and a cumulative GPA of at least 2.0 and/or successfully passes 50 percent of credits attempted, earning A, B, C, or P grades.

Academic warning status

A student will receive an academic warning if any of the following applies:

1) The student does not earn a term GPA of 2.0.

2) The student does not pass 50 percent of the credits attempted for a term.

3) The student earns a grade of Z, W, D, F, or NP for the same course three times.

At the end of the first term of unsatisfactory academic progress for these reasons, a student will receive a letter from the Counseling Department and a copy of the satisfactory academic progress policy, both attached to the report card. The letter will:

• Inform and explain academic status.
• Direct the student to an online workshop.
• Encourage the student to schedule an appointment with a Counseling Department representative. The purpose of the meeting is to create an academic assistance plan and to explain the impact of continued unsatisfactory academic progress.

A student will remain in academic warning status as long as the cumulative GPA remains below 2.0.

Academic probation status

If unsatisfactory academic progress continues, the student is placed on academic probation status.

Academic probation occurs if any of the following applies:

1) A student does not earn a term GPA of 2.0 for a second consecutive term of enrollment.

2) A student does not pass 50 percent of the credits attempted for three consecutive terms of enrollment.

3) A student does not earn a term GPA of 2.0 or does not pass 50 percent of the credits attempted while in academic warning status.

4) A student earns a grade of Z, W, D, F, or NP for the same course multiple times.

The status of a student placed on academic probation will be noted on his/her electronic grade report, except when probation occurs due to a student earning a grade of Z, W, D, F, NP for the same course multiple times.

A student will receive a letter attached to the report card about his/her academic status and instructions to attend a mandatory meeting with a counselor. A student cannot register until an academic assistance plan is created with the counselor. Credit restrictions may be imposed, and/or counseling may be required. The student may be required to complete a prerequisite course for a course attempted three times unsuccessfully. Faculty from the Disability Services Office and the Counseling Department will determine appropriate action when a student does not complete the same class three times.

For any courses dropped as a result of credit restriction for the following term, the student will receive a 100 percent refund.

A student will remain in academic probation status when a term GPA of 2.0 and a successful completion rate of 50 percent of attempted credits, earning A, B, C, or P grades are achieved, but the cumulative GPA remains below 2.0.

Academic suspension

Academic suspension is based on consecutive terms of unsatisfactory progress and is noted on a student’s permanent electronic file.

A student will be academically suspended
from the college if:

1) A student does not earn a term GPA of 2.0 for three consecutive terms of enrollment.
2) A student does not pass 50 percent of attempted credits for four consecutive terms of enrollment.
3) A combination of term GPA below 2.0 and a completion rate less than 50 percent of attempted credits for three consecutive terms.

At the end of these terms of unsatisfactory academic progress, the director of Enrollment Services will notify the student in writing that he/she has been academically suspended from further enrollment in credit classes at RCC until reinstated.

A student academically suspended for the first time will not be allowed to register for credit classes for the subsequent term following academic suspension.

A student academically suspended more than once will not be allowed to register for credit classes for one full academic year beginning the term after academic suspension. A student may ask to return in the corresponding term in the next academic year. A student must appeal for reinstatement in person to the Academic Review Committee.

A student must complete an Academic Return Packet to appeal for reinstatement (forms are available on the RCC website in Forms for Students). All instructions provided in the packet must be followed precisely in order to be considered for reinstatement. The completed packet must be submitted to the Counseling Department chair by the deadline noted in the return packet. A student may schedule an appearance before the Academic Review Committee if desired or required.

The Academic Review Committee may be composed of the Counseling Department chair, the Director of Enrollment Services, an instructor, a transcript evaluator, the committee secretary, and representatives from the Counseling Department and Financial Aid. The chair of the Academic Review Committee will notify the student of the committee’s decision in writing within five days of the committee’s decision.

If the committee denies the reinstatement, the student has the right to appeal the decision through the vice president of Student Services. The appeal process may be found on the RCC website. (See Students’ Rights, Freedoms and Responsibilities), For questions, please contact the Counseling Department.

**Student rights, freedoms and responsibilities**

**Preamble**

RCC provides an environment which encourages learning. The college is dedicated to the open exchange of knowledge and skills, growth in student capacity for critical thinking, and development of ethically sensitive and responsible students. The college recognizes that all individuals and groups at the college have dignity and worth.

Learning and teaching are inseparable aspects of academic pursuit. Standards of academic rights and freedoms for students as outlined below are essential. Students have responsibilities for performance and conduct. Students’ enrollment (or attempted enrollment) implies their acceptance of the responsibility to comply with college policies and procedures.

**Purpose**

The basic purposes of the Student Rights, Freedoms and Responsibilities Statement (the “Statement”) are to (1) identify fundamental provisions for students’ rights and freedoms to learn; (2) identify student responsibilities and conduct guidelines; and (3) clarify the process for resolution of alleged violations.

**1.0 Access to the college and education**

RCC believes in an open door philosophy and, within the limits of its resources, shall be open to all students who are qualified according to current admissions requirements. The college complies with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1992, and other applicable laws and regulations. In compliance with state and federal laws, RCC does not discriminate on the basis of race, religion, color, national origin, age, sex, veterans status, sexual orientation, marital status, or disability in employment, in any of its educational programs, or in the provision of benefits and services to students.

**2.0 The classroom**

In the classroom and in conference with students, the instructor should include opportunity for free discussion, inquiry and expression related to course content. Student academic performance shall be evaluated solely on an academic basis, not on opinions or conduct in matters not related to curricular standards.

**2.1 Protection of Freedom of Expression**

Students are free to take reasoned exception to the material or views offered in any course at an appropriate time and in a non-disruptive manner. Students may reserve judgment about matters of opinion. However, students are responsible for satisfactory attendance and learning the content of any course in which they are enrolled and may expect their instructors to help them accomplish the goal of learning.

**2.2 Protection against Improper Academic Evaluation**

Academic evaluation of student performance by instructors shall be based on academic performance and under no circumstances be prejudicial or capricious. At the same time, students are responsible for maintaining the standards of academic performance established by instructors for the courses in which they are enrolled. Each instructor shall give students clearly stated written criteria for evaluation. To appeal an academic evaluation (grade) within the past year (within four academic terms), a student may start the process by discussing the grade method in question with the instructor. If further conversation is needed, an appeal to the department head is possible with that decision being final. For academic evaluation (grade) appeals applied to grades older than one year (at least five terms prior), the student may file a Petition to Change Academic Record form located online at www.roguecc.edu/forms.

**2.3 Protection against Improper Disclosure**

Information about individual student views, beliefs and political associations, which RCC staff acquires in the course of their work as employees, is typically considered confidential. Judgments of student ability and character may be provided under appropriate circumstances, e.g., recommendations for scholarships, employment, program admission, or other related academic issues.

**3.0 Student records**

The Family Educational Rights and Privacy Act (FERPA) provides for the protection of
student records. Consistent with FERPA, RCC has published a separate procedure identifying information which is considered part of a student’s educational record, conditions for its disclosure, and security practices which control access to such records as may be available for review or electronic transmission. The college accumulates data and keeps records in order to plan educational activities that meet the needs of students and to effectively advise and counsel them. Student records are used to promote instruction, guidance and educational progress.

Academic and disciplinary records shall be maintained separately to minimize the risk of improper disclosure. Academic transcripts contain only information about academic status. No records will reflect the political activities or beliefs of students. Instructors and administrative staff shall not divulge confidential student information they have acquired in the course of their work.

4.0 Student Rights

The college maintains certain standards to protect the rights of students through the procedures below:

4.1 Freedom of Association

Students bring to RCC a variety of interests. They develop new interests as members of the college community. They may organize and join collegiate associations to promote their common interests, subject to the following considerations:

4.1.1 The membership, policies, and actions of a student organization typically are determined by the vote of those individuals who hold bona fide membership in the college community. Some student organizations may also use guidelines of regional or national groups, e.g., Phi Theta Kappa.

4.1.2 As a condition of institutional recognition, student organizations are required to submit to the Associated Student Government of Rogue Community College (ASGRCC) Executive Council a statement of purpose, criteria for membership, operational procedures, current list of officers and number of active members.

4.1.3 Student organizations typically choose their own college adviser, although some may be assigned, e.g., Phi Theta Kappa. Clubs chartered by ASGRCC must have an adviser who is an RCC employee. College staff members serve the college community when they accept the responsibility to advise student organizations. In the course of such duties, the advisers have an obligation to protect the general interests of the college.

4.1.4 Student organizations, including those affiliated with an external organization, are open to all students without regard to race, color, religion, age, sex, national origin, disability, marital status, parental status, veteran status, or sexual orientation. However, organization criteria may limit membership options, e.g., grade point average.

4.2 Freedom of Inquiry and Expression

4.2.1 Students and student organizations may examine and discuss all questions of interest to them and express opinions publicly and privately. They may support causes by orderly means, which do not disrupt college operations. At the same time, it should be made clear to the academic and larger community that, in their public expression, students and/or student organizations speak for themselves and not as representatives of the college or college community.

4.2.2 Students and student organizations may invite individuals as presenters for forums outside of classes. However, the time, place and manner of the presentation must be in accordance with College Board Policy (VII.C.060: Students, Student Government/Activities, Guest Speakers). Guest speakers and presenters, individuals or groups, who may disagree with the speakers, shall not disrupt college operations. It should be made clear to the college and larger community that student sponsorship of guest presenters does not necessarily imply approval or endorsement of the views expressed either by the sponsoring group or the college.

5.0 Freedom from Sexual Discrimination and Harassment

Students shall have freedom from sexual discrimination and harassment consistent with Title IX of the 1972 Educational Amendments. It is the policy of RCC not to discriminate on the basis of sex in its educational programs, services and activities. Students are protected from sexual discrimination in the following areas: admission to the college; academic, vocational, developmental and community education programs; enrollment in any courses; access to and use of college facilities; academic advising and counseling; intramural and extramural athletics; commencement and graduation requirements and activities; student policies, procedures and benefits; treatment as a married or pregnant student; financial aid; student employment; and college sponsored extracurricular activities, student clubs and organizations.

Students are protected from all forms of sexual and other harassment as delineated in the RCC Human Rights Policy, adopted by the RCC Board of Education in 1997 and amended/approved in 2011 (see Appendix 1, RCC Board Policy Handbook). The college intends that all employees and students shall work and learn in an environment free from discrimination, including harassment. The RCC Human Rights Policy is consistent with the guidelines of the Equal Employment Opportunity Commission. All forms of harassment are prohibited with the goal of creating a positive learning and working environment.

Sexual harassment complaints may be taken to a member of the RCC Human Rights Network. Members of the network are listed on the website at www.roguecc.edu/HumanRights.

6.0 Student Participation in Institutional Government

As members of the college community, students are free to express their views on issues of institutional policy and matters of general interest to the student body. Students may participate in formulating and applying policies and procedures affecting academic and student affairs through student government as well as college councils and committees. As citizens, students may make presentations to the RCC Board of Education under the provisions ofORS 192.630.

7.0 Student Publications

Student publications and the student press are valuable aids in establishing and maintaining an atmosphere of free and responsible discussion and intellectual exploration at the college. They are a means of bringing student concerns to the attention of the faculty and college authorities and of formulating student opinion on various issues in the college, community and world at large.

RCC is legally the publisher of all recognized student publications. College authorities, in consultation with students, may provide written clarification of the role of student publications, standards used in evaluation, and degrees of operational control. At the same time, the editorial freedom granted by the college to student editors and managers entails accompanying responsibili-
ties to be covered by the canons of responsible journalism, such as the avoidance of libel, indecency, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo. The Code of Ethics of the Society of Professional Journalists, Sigma Delta Chi, shall be adopted and used. College staff advisers have the responsibility to review copy to protect the institution from legal actions relating to obscenity, criminal or civil libel, or copyright infringement.

In addition to the rights contained in current student publication guidelines, the following provisions serve as safeguards for the editorial freedom and responsibility of student publications:

7.1 Student publications and the student press are free from censorship and advance approval of copy except staff adviser review as noted above. Student editors and managers, in consultation with their advisers, should develop written procedures for editorials and news coverage.

7.2 Student editors and managers of student publications are protected from arbitrary suspension and removal because of student, faculty, administrative, or public disapproval of editorial policy or content.

7.3 College recognized student publications shall explicitly state on the editorial page that the opinions expressed are not necessarily those of the college or student body.

8. Off campus

8.1 Exercise of Rights of Citizenship

RCC students are both citizens and members of the college community. As citizens, students have the same freedoms of speech, peaceful assembly and right to petition as other citizens. As members of the college community, students are subject to the obligations, which accrue to them by virtue of this membership. International students, though holding citizenship in another country, are considered members of the college community.

8.2 Institutional Authority and Civil Penalties

Activities of students may sometimes result in violation of law. Students who violate the law may incur penalties prescribed by civil authorities; institutional authority is not used merely to duplicate the function of general laws. The special authority of the college may be asserted at those times when its interests are involved.

9.0 Student code of conduct and procedures

9.1 Code of Conduct.

As active learners, students at RCC have the responsibility and opportunity to engage in their own learning in order to master course outcomes and achieve success both in and out of the classroom. The RCC Student Code of Conduct ensures that each member of the RCC community has an opportunity to experience success. RCC provides an environment that encourages open, responsible and respectful exchanges of opinions, ideas and information. As such, each student is expected to abide by the Student Code of Conduct as outlined below.

The following behaviors are prohibited by the Code of Conduct:

9.1.1 Defying institutional authority, engaging in willful disobedience or otherwise disrupting the educational process. This does not prohibit students from taking reasoned exception to material or views offered by instructors or others, or expressing views which are relevant to the instruction in an academically appropriate and reasoned manner.

9.1.2 Academic unreliability manifested through repeated violations of academic dishonesty, furnishing false information, impersonating another, or forging, altering or misusing college documents, records or identification.

9.1.3 Threatening the safety of themselves or others, disrupting the educational process, or otherwise violating college policy or procedure.

9.1.4 Engaging in disorderly, abusive, lewd, obscene or violent behavior. These conduct pertain to both in person and/or online behaviors.

9.1.5 Stealing or damaging property of the college or of college community members which includes, but not limited to, course material and examinations, student books, and supplies.

9.1.6 Using college funds, college owned equipment, electronic resources or supplies for personal, pornographic or other unauthorized purpose.

9.1.7 Illegal or unauthorized distribution, possession, use, sale or being under the influence of alcohol, illegal drugs, legend drugs or controlled substances on college property or at college sponsored or supervised functions. The use of legend drugs, including anabolic steroids, by students participating in sports.

9.1.8 Personal or any other unauthorized possession of explosives, firearms, dangerous chemicals, or other weapons on college property or at college-sponsored and supervised functions.

9.1.9 Physically or verbally abusing, coercing, menacing, threatening, intimidating, or otherwise harassing any member of the college community regardless of geographic location. These conducts pertain to both in person and/or online behaviors.

Interpretations of the above terms may be provided by reference to law and to college policy.

9.2 Procedures for Resolution of Alleged Violation of Student Code of Conduct

Complaints regarding alleged violation of the Student Code of Conduct will be reviewed and resolved using the procedures outlined below. If the review and/or investigation confirm the student’s violation of the Code of Conduct, one or more disciplinary actions and sanctions listed in Section C will be imposed.

All documentation related to any such action will follow established filing procedures. These procedures will include written copies to the student and the chief student service officer, and a copy stored electronically in the RCC incident reporting database. Appropriate campus parties will be notified. Information about student disciplinary action is protected against improper disclosure and is not included in student academic records as per the Family Educational Rights and Privacy Act (FERPA) and amendments.

9.2.1 Direct Resolution. When any member of the college community believes that a student has violated one or more of the standards of the Code of Conduct, she or he is encouraged to seek resolution directly with the student. If personal safety is at risk, contact 911 or campus security personnel. All staff are encouraged to file an incident report including resolution and/or action.

9.2.2 Dean of students. If resolution cannot be reached in direct manner between the college community member and the student, the complainant may contact the dean of
students in writing or by email within three working days, stating the complaint, alleged violation of the Code of Conduct and other relevant information. Within seven working days of receiving the written notification from the college community member, the dean of students will contact the student and other parties involved regarding the complaint and resolution. The dean of students may use multiple processes to help resolve the issue, and will review the issues and actions of the parties involved, propose resolution, and determine appropriate sanction(s) for the student. Established filing procedures will be followed.

9.2.3 Appeal to the vice president of Student Services. Students receiving written notice of disciplinary action for an alleged infringement of the Code of Conduct have the right of final appeal in writing to the vice president of Student Services within seven working days for review. Within 10 working days of receiving the student appeal, the vice president of Student Services will review the complaint, investigation process, findings, and sanctions. The vice president may consult the administrative team in the review process to assure consistency and fairness within RCC. The review may include multiple processes with parties chosen by the college in resolving the issue. The vice president of Student Services will report his/her findings and conclusions of the final appeal to the student complainant and dean of students. Established filing procedures will be followed.

9.3 Sanctions

One or more of the following sanctions may be imposed upon students who have violated the Student Code of Conduct. All documentation related to any such action will be subject to established filing procedures.

9.3.1 Reprimand. Any college staff member may initiate a reprimand with a verbal or written warning when a student’s specific conduct does not meet college standards and that continuation of such conduct will result in further disciplinary action. A copy of the incident report and written reprimand or documentation of verbal reprimand will be sent to the office of the dean of students within two working days. Established filing procedures will be followed.

9.3.2 Immediate Exclusion. Any college staff member may direct that a student be immediately excluded from RCC privileges, activities, and/or property as deemed appropriate and necessary to ensure the safety and rights of students and staff. The staff member will inform the student of the requirement for a meeting with the dean of students to determine attendance eligibility following immediate exclusion. The staff member will file a written incident report with the dean of students within one class day following the exclusion. Within one class day after receiving the incident report, the dean of students will contact the student and schedule a meeting. The purpose of the meeting is to:

• share information and documentation regarding the incident and Student Code of Conduct.

• attempt to resolve the problem that led to exclusion so that the student may resume attendance.

• determine appropriate disciplinary action that may be imposed.

If the student fails to attend the meeting or to respond to the dean of students’ request, the student forfeits all rights to resume attendance at RCC until such meeting occurs.

The dean of students will communicate, in writing, to appropriate parties the disciplinary action and/or the conditions upon which the student may resume attendance at RCC. Established notification and filing procedures will be followed.

9.3.3 Disciplinary Probation. The dean of students, or designee, may direct a student to comply with specific conditions or restrictions while in attendance at RCC, in addition to the Student Code of Conduct, for a specified period of time. The dean of students will communicate the specific behavior leading to this sanction and the specific conditions or restrictions imposed for the specified period of time to the student in writing. The student will sign the document provided by the college and agree to abide by its terms or forfeit all rights to continue attendance at RCC. Established filing procedures will be followed.

9.3.4 Suspension. The dean of students may direct a suspension defined as exclusion from RCC property, activities, and privileges for a fixed period of time appropriate to address the severity of the infraction. The dean of students shall provide written notice to the student and established filing procedures will be followed.

9.3.5 Expulsion. The dean of students may direct termination of student status and denial of further college privileges. Conditions of readmission, if any, will be listed in the letter of expulsion given as a notice to the student by the dean of students. Established filing procedures will be followed.

9.3.6 Restitution. The dean of students, in consultation with the administrative team and other parties involved, may direct restitution in addition to other disciplinary action. Restitution is defined as compensation or reimbursement for damage to or misappropriation of property, which may take the form of appropriate service to repair or otherwise compensate for damages. Conditions of restitution will be detailed in a letter to the student. Established filing procedures will be followed.

9.3.7 Other. The dean of students may impose additional sanctions or forms of disciplinary action including, but not limited to, directives for student behavior or plans of action.

10.0 Student grievance procedure

Students who need disability accommodations to successfully complete this process should contact the Disabilities Services Office.

• Harassment complaints shall be filed according to procedures in the college Human Rights Policy.

• Grade appeals shall be filed according to the procedures outlined on the Petition to Change Academic Record (see section 11B of this policy).

10.1 Explanation

The Student Grievance Procedure provides a way for students to seek resolution to decisions, conditions, and practices of RCC, its faculty and staff, which they allege are violations of the Student Rights, Freedoms and Responsibilities Statement as identified in the statement or other published college policies and procedures. As students pursue their educational goals, they will be treated with professionalism and respect by college employees (referred to herein as "staff"). An alleged violation may be referred to as a “grievance” hereon. Students shall not be retaliated against for filing a legitimate grievance.

The Student Grievance Procedure outlines the steps to resolve alleged violations of the Students Rights, Freedoms and Responsibilities Statement or other published college policies and procedures. Students will
attempt to resolve alleged violations with the staff member who is directly involved. Should a staff member directly involved in facilitating the resolution procedure be the object of an alleged violation or formal grievance, the college president will appoint a replacement.

Steps 1, 2 and 3 (if applicable) below must be completed before proceeding to Step 4. It is intended that alleged violations be resolved at any point in the process when the parties involved can agree on a resolution. All documentation submitted or created during the resolution process shall follow established filing procedures.

Students with a grievance shall follow the procedures and time lines outlined below.

10.2 Procedure

Step 1 – Direct Resolution

The student discusses the grievance with the college staff member who is directly involved and attempts to find resolution within a timely manner. The student may choose to be accompanied by a support person such as a counselor, an academic adviser, or an officer of the Associated Student Government of Rogue Community College during this discussion. The student must state a proposed resolution. If no resolution is reached at Step 1, the student moves to Step 2.

Step 2 – Resolution with Department Head or Immediate Supervisor

If the grievance is not resolved directly with the college staff member, the student discusses the grievance and seeks a resolution with the staff member’s department head or immediate supervisor. The student may choose to be accompanied by a support person during these discussions. The student must state a proposed resolution. Appropriate written documentation will be maintained by the department head or immediate supervisor, and established filing procedures will be followed. If no resolution is reached at Step 2, the student moves to Step 3. If the staff member has no dean, or if the dean has heard the student in the role of immediate supervisor, the student moves to Step 4.

Step 3 – Resolution with Dean

If the issue is not resolved with the staff member’s department head, the student may seek resolution with the supervising dean. Appropriate written documentation will be maintained by the dean and approved filing procedures will be followed. If no resolution is reached at Step 3, the student moves to Step 4.

Step 4 – Resolution with vice president of Student Services

If the issue is not resolved by discussions in Step 1, 2 or 3 (if applicable), the student has 10 working days to request a student grievance form and information about filing a grievance from an RCC counselor. The signed and completed form shall be submitted to the office of the vice president of Student Services within five working days after requesting the form from a counselor. The Student Grievance Form requires a statement of proposed resolution of the grievance and a summary of prior actions taken.

Within seven working days of receipt of the Student Grievance Form, the vice president of Student Services will contact the parties involved, provide them a copy of the completed Student Grievance Form, and attempt to clarify the issue and arrive at a solution which is mutually satisfactory to the student and employee. During the dean of students’ investigation, the persons involved may include a representative or other support person with first-hand knowledge of the issue. If resolution is reached, the vice president of Student Services will summarize the resolution in writing for the student grievant and college employee and follow established filing procedures.

Step 5 – Appeal Process

If resolution is not reached, the student has the right of final appeal of the issue to the vice president of Student Services. The final appeal process requires the student to prepare and deliver a written appeal request to the vice president of Student Services within seven working days after the vice president of Student Services gives notice to the student of the result of the investigation. The written appeal request must include an explanation of why the issue remains unresolved and provide the proposed remedy to the grievance.

Within 10 working days of receiving the student appeal, the vice president of Student Services will review the grievance, investigation process, and proposed resolutions. The vice president of Student Services may consult with the administrative team and/or the college president in the review process to assure consistency within RCC. The review may include, but not be limited to, an interview of the student grievant, college staff member and/or other involved parties.

The vice president of Student Services will report the findings and conclusions to the student grievant, and college staff member(s) involved with a written and signed document. Established filing procedures will be followed.

The Student Code of Conduct and Procedures can be found on the RCC website in the Students, Rights, Freedoms and Responsibilities statement at www.roguecc.edu/BoardPolicies/appendix_3.htm under the Rights and Responsibilities heading.

Student grievance forms may be obtained in the counseling/advising centers at all RCC campuses. Incident report forms are located on the intranet index at www.roguecc.edu/intranet under the forms section.

Drug- and Alcohol-Free Campus

The use of alcoholic beverages, marijuana, or marijuana products is prohibited. Certain exceptions may be allowed with prior written permission from the College President. The illegal use or misuse of drugs is prohibited on all RCC properties. This policy complies with the Drug-Free Schools and Campuses Regulations (EDGAR Part 86) and the Drug-Free Workplace Act (1990) mandating a drug-free campus, program, and biennial report.

Use of tobacco

www.roguecc.edu/TPTF

Smoking is permitted only in designated smoking areas. All college employees, students, visitors, and contractors are required to comply with the policy.
Educational Programs Overview

**Associate of Arts Oregon Transfer**

The Associate of Arts Oregon Transfer degree clearly defines a program of study designed for students who intend to transfer to an Oregon university. By completing degree requirements (and major prerequisites if applicable) students will qualify for junior standing for registration purposes upon admission to any university in the state system.

The Associate of Arts Oregon Transfer degree can be earned by meeting the following requirements:

- Be admitted to the program.
- Complete a minimum of 90 term credits of college-level courses (a maximum of 12 career and technical credits are allowed) with a minimum grade of “C.”
- Complete any required prerequisites with a minimum grade of “C.”
- Complete a minimum of 24 credits toward the degree at RCC.

The Joint Boards Articulation Committee and the Oregon Joint Boards of Education have approved general education outcomes for foundational and discipline courses selected to fulfill AAOT requirements. All courses listed meet those identified outcomes. Upon successful completion of the AAOT degree, students having taken these courses will be able to:

**Arts and Letters (Humanities)**

- Interpret and engage in the Arts and Letters, making use of the creative process to enrich the quality of life.
- Critically analyze values and ethics within a range of human experience and expression to engage more fully in local and global issues.

**Speech/Oral Communication**

- Engage in ethical communication processes that accomplish goals.
- Respond to the needs of diverse audiences and contexts.
- Build and manage relationships.

**Cultural Literacy**

- Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

**Information Literacy**

- Formulate a problem statement.
- Determine the nature and extent of the information needed to address the problem.
- Access relevant information effectively and efficiently.
- Evaluate information and its source critically.
- Understand many of the economic, legal, and social issues surrounding the use of information.

**Writing**

- Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- Locate, evaluate, and ethically utilize information to communicate effectively.
- Demonstrate appropriate reasoning in response to complex issues.

**Mathematics**

- Use appropriate mathematics to solve problems.
- Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

**Science or Computer Science**

- Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
- Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner.
- Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

**Social Science**

- Apply analytical skills to social phenomena in order to understand human behavior.
- Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

**AAOT graduation requirements**

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing/Composition Skills</td>
<td>8 credits</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>1 course</td>
</tr>
<tr>
<td>Math (above 100)</td>
<td>1 course</td>
</tr>
<tr>
<td>Fitness/Health/P.E.</td>
<td>3 credits</td>
</tr>
<tr>
<td>Cultural literacy</td>
<td>1 course</td>
</tr>
<tr>
<td>Humanities</td>
<td>3 courses</td>
</tr>
<tr>
<td></td>
<td>(chosen from two disciplines)</td>
</tr>
<tr>
<td>Social Science</td>
<td>4 courses</td>
</tr>
<tr>
<td></td>
<td>(chosen from two disciplines)</td>
</tr>
<tr>
<td>Science/Math/Computer Science</td>
<td>4 courses</td>
</tr>
<tr>
<td></td>
<td>(chosen from two disciplines; including three lab science courses)</td>
</tr>
<tr>
<td>Electives</td>
<td>variable credits</td>
</tr>
<tr>
<td></td>
<td>(recommended college-level courses by major area to meet degree requirements of 90 credits)</td>
</tr>
</tbody>
</table>

Students may transfer a maximum of 108 credits to a four-year institution.

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must meet one of the following requirement for admission to an Oregon university:

- Two years of the same high school-level foreign language.
- Two terms of college-level foreign language either with a grade of “C” or better (may be first-year foreign language which can be used as elective credits on the Associate of Arts Oregon Transfer degree).

NOTE: If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

Students should check with the institution to which they intend to transfer, as certain OUS majors may require additional coursework toward graduation.

Students planning to transfer to a four-year college or university may select courses within the requirements of the AA/OT degree that will apply to the following majors at OUS schools:

- Art
- Biology
- Business Administration
- Chemistry
- Communications/Speech/Journalism
- Education (elementary/secondary)
- English/Literature
- Environmental Sciences/Forestry
- Geology
- Health/PE/Exercise Science
- History
- Mathematics
ASSOCIATE OF SCIENCE
OREGON TRANSFER — BUSINESS

The Associate of Science Oregon Transfer degree in Business defines a program of study to fulfill lower division general education requirements for a bachelor's degree at Oregon University System (OUS) institutions. It is designed for students transferring to baccalaureate degree programs in a variety of business majors. Those completing the ASOT-Business degree are assured junior level standing and will have met the lower division general education requirements of any institution in the Oregon University System.

Students should contact the specific OUS campus' Business School or program early in the first year of their ASOT-Business program to be advised about additional requirements and procedures for admission to the school or program.

The Associate of Science Oregon Transfer degree in Business can be earned by meeting the following requirements:

- Be admitted to the program.
- Complete a minimum of 90 term credits of college-level courses (a maximum of 12 career and technical credits are allowed) with a minimum grade of "C."
- Complete any required prerequisites with a minimum grade of "C."
- Complete a minimum of 24 credits toward the degree at RCC.

**ASOT-Business graduation requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing/Composition</td>
<td>8</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3-4</td>
</tr>
<tr>
<td>Math (MTH111) or higher</td>
<td>12-14</td>
</tr>
<tr>
<td>Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>Humanities (see page 50)</td>
<td>9-12</td>
</tr>
<tr>
<td>Social Science (see page 50)</td>
<td>14-16</td>
</tr>
<tr>
<td>Science (see page 50)</td>
<td>15-20</td>
</tr>
<tr>
<td>Business-specific courses</td>
<td>16</td>
</tr>
<tr>
<td>Electives</td>
<td>0-9</td>
</tr>
</tbody>
</table>

Students may transfer a maximum of 108 credits to a four-year institution.

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must meet one of the following requirements for admission to an Oregon university:

- Two years of the same high school-level foreign language.
- Two terms of college-level foreign language with a grade of "C" or better. (Demonstrated proficiency in American Sign Language meets this second language admission requirement.)

**NOTE:** If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

Students should check with the institution to which they intend to transfer, as certain OUS majors may require additional coursework toward graduation.

**Associate of Science Oregon Transfer — Computer Science**

The Associate of Science Oregon Transfer degree in Computer Science defines a program of study to fulfill lower division general education requirements for a bachelor's degree at Oregon University System (OUS) institutions. It is designed for students transferring to baccalaureate degree programs in computer science or software engineering. Those completing the ASOT-Computer Science degree are assured junior level standing and will have met the lower division general education requirements of any institution in the Oregon University System (OUS).

Students should use the ASOT-Computer Science university-specific degree requirements guide for specific transfer requirements for individual schools. See an adviser for more information.

The Associate of Science Oregon Transfer degree in Computer Science can be earned by meeting the following requirements:

**Be admitted to the program**

- Complete a minimum of 90 term credits of college-level courses (a maximum of 12 career and technical credits are allowed) with a minimum grade of "C."
- Complete any required prerequisites.

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have one of the following requirements for admission to a four-year Oregon state college or university:

- Two years of the same high school-level language.
- Two terms of college-level language with a grade of "C" or better (may be first-year language which can be used as elective credits).

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have one of the following requirements for admission to a four-year Oregon state college or university:

- Two years of the same high school-level language.
- Two terms of college-level language with a grade of "C" or better (may be first-year language which can be used as elective credits).

**ASOT-Computer Science graduation requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing/Composition</td>
<td>8</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3-4</td>
</tr>
<tr>
<td>Math (MTH251/MTH252)</td>
<td>10</td>
</tr>
<tr>
<td>Health/Wellness/Fitness</td>
<td>3</td>
</tr>
<tr>
<td>Humanities (see page 50)</td>
<td>9-12</td>
</tr>
<tr>
<td>Social Science (see page 50)</td>
<td>12-16</td>
</tr>
<tr>
<td>Science (see page 50)</td>
<td>12-15</td>
</tr>
<tr>
<td>Computer science-specific courses</td>
<td>16</td>
</tr>
<tr>
<td>Electives</td>
<td>6-17</td>
</tr>
</tbody>
</table>

Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have one of the following requirements for admission to a four-year Oregon state college or university:

- Two years of the same high school-level language.
- Two terms of college-level language with a grade of "C" or better (may be first-year language which can be used as elective credits).

Some OUS schools require physics. It is recommended that students contact the specific OUS school early in the first year of the program or use the ASOT-CS university-specific degree requirements guide to determine any additional science requirements and procedures for admission to a specific school or program.

**Associate of Science**

The Associate of Science (AS) degree is designed for students transferring to baccalaureate degree programs in applied areas. The AS degree allows students to focus their studies in a particular discipline based upon signed articulation agreements with the universities that have agreed to accept RCC students. Students must work closely with advisers in their areas of interest to ensure electives are appropriate.

RCC currently has signed articulation agreements with Southern Oregon University for the following programs: Criminology, Early Childhood Development, Elementary...
Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have one of the following requirements for admission to a four-year Oregon university:

- Two years of the same high school-level foreign language.
- Two terms of college-level foreign language with a grade of "C" or better (may be first-year language which can be used to partially meet the humanities elective required in the Associate of Science degree).

NOTE: If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

**Associate of Applied Science**

Students can earn an Associate of Applied Science degree in a two-year career and technical program by satisfying the following requirements:

- Be admitted to the program.
- Complete all required courses with a minimum grade of "C" or "pass." A complete list of requirements can be found in this catalog under the name of the specific program.
- Complete any required prerequisites with a minimum grade of "C."
- Complete a minimum of 24 credits toward the degree at RCC.

**AS graduation requirements**

Computer proficiency 0-4 credits

(Approved 3-4 credit computer science course, CS120 or above, taken within the last 10 years, or documented proficiency. Some CS courses do not apply; refer to catalog course descriptions.)

WR121 English Composition I 4 credits

WR122 English Composition II 4 credits

SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication 4 credits

LIB127 Introduction to Academic Research 1 credit

MTH105 Intro. to Contemporary Math or higher level math 4 credits

Humanities and Social Science electives 9-12 credits (at least one class chosen from each discipline)

Science and Computer Science electives 11-15 credits (must be 100-level or above)

Electives 53+ credits (recommended courses within major area)

Students should be aware that if they transfer before completing this degree or transfer in a major not covered by prior agreements, their courses will be evaluated individually toward the transfer requirements of the college of their choice.

**Associate of General Studies**

The Associate of General Studies degree is designed to provide students the opportunity to acquire a broad education rather than pursuing a specific college major or career and technical program. The AGS degree includes, in addition to the general education courses listed below, 74-75 credits of lower division college transfer and career and technical education courses. Because of the flexibility of this degree, it may not fulfill requirements for transfer to a four-year institution at the junior level.

Candidates for the Associate of General Studies degree must earn a minimum of 90 credits that include the following:

Computer proficiency 0-4 credits

(Approved 3-4 credit computer science course, CS120 or above, taken within the last 10 years, or documented proficiency. Some CS courses do not apply; refer to catalog course descriptions.)

LIB127 Introduction to Academic Research 1 credit

WR121 English Composition I 4 credits

Associate of Applied Science degrees are offered in these areas:

- Accounting
- Automotive Technology
- Business Technology
- Computer Support Technician
- Construction Trades, General Apprenticeship
- Criminal Justice
- Diesel Technology
- Early Childhood Education
- Electrician Apprenticeship Technologies
- Electronics Technology
- Family Support Services
- Fire Science
- Graphic Design
- Health Care Informatics
- Human Services
- Industrial Mechanics and Maintenance Technology Apprenticeship
- Industrial Welding Technology Management
- Manufacturing/Engineering Technology Marketing
- Nursing
- Paramedicine
- Web Development
completion programs, prepare students to enter a variety of occupational fields. To qualify for one- and two-year certificates, students must meet these requirements:

- Be admitted to the program.
- Complete all required courses with a minimum grade of “C” or “pass.” (A complete list of requirements can be found in this catalog under the name of the specific program.)
- Complete any required prerequisites with a minimum grade of “C.”
- Complete a minimum of 12 credits toward the certificate at RCC.
- Satisfactorily complete general education requirements required in all certificate programs.

These include:

- Math 4 credits
- Writing/Composition 3-4 credits
- Human Relations 3 credits
- Computer proficiency 0-4 credits

(Approved 3-4 credit computer science course, CS120 or above, taken within the last 10 years, or documented proficiency. Some CS courses do not apply; refer to catalog course descriptions.)

The following one- and two-year certificates are awarded:

- Alcohol and Drug Counselor
- Automotive Specialist
- Business Assistant
- Computer Numerical Control Technician
- Construction Trades, General Apprentice
- Dental Assistant
- Diesel Specialist
- Early Childhood Education
- Electrician Apprenticeship Technologies
- Electronics Technician
- Emergency Medical Services
- Exercise Specialist
- Fire Officer
- Fire Prevention/Investigation
- Graphic Design
- Health Care Informatics Assistant
- High Technology Studies
- Industrial Mechanics and Maintenance Technology Apprentice
- Industrial Welding Technology
- Massage Therapy
- Medical Assistant
- Microcontroller Systems Technician
- Occupational Skills Training
- Practical Nursing
- Renewable Energy Technician
- Website Design
- Website Development

To qualify for less than one-year certificates or Career Pathways certificates, students must meet the same requirements as outlined above with these exceptions:

- General education requirements may vary from those listed above.
- Complete at least 25 percent of the total credits at RCC.

The following less than one-year or Career Pathways certificates are awarded:

- Adobe® Applications Technician
- Basic Health Care
- Business and Information Specialist
- Commercial Truck Driving
- Computer Numerical Control Operator
- Computer Software Specialist
- Customer Service
- Early Childhood Education–Basic
- Early Childhood Education–Intermediate
- Emergency Medical Technician
- Employment Skills Training
- Firefighter
- Landscape Technician
- Limited Electrician Apprenticeship Technologies
- Massage Therapy
- Entry-Level Therapist
- Mechanical Maintenance Apprentice
- Medical Administrative Assistant
- Medical Coding Specialist
- Pharmacy Technician
- Phlebotomy
- Plant Systems Technician
- Retail Sales and Service
- Small Business Management
- Sterile Processing Technician
- Welder’s Helper
- Website Assistant

Career Pathways certificates of completion differ from traditional academic programs in that they are milestones on the path to degrees or one-year certificates and are not eligible for commencement exercises. These completions will be noted on students’ transcripts.
Career Pathways roadmap
www.roguecc.edu/Pathways

GETTING STARTED
Start now www.roguecc.edu/Pathways

RCC CAREER PATHWAYS CERTIFICATE
Career Pathways Certificate (CPC) Program Title
Can complete this in less than one year.
Click on Graduation Guide (PDF) and/or the Plan of Study (HTML) for course listing and prerequisites.
(CPC ranges from 12 to 44 credits)

RCC CERTIFICATE OF COMPLETION
Certificate of Completion Program Title
Can complete this in about one year.
Click on Graduation Guide (PDF) and/or the Plan of Study (HTML) for course listing and prerequisites.
(Certificate of Completion ranges from 12 to 68 credits)

RCC ASSOCIATE DEGREE
Associate’s Degree Program Title
Can complete this in two years.
Click on Graduation Guide (PDF) and/or the Plan of Study (HTML) for course listing and prerequisites.
(Degree ranges from 90 to 108 credits)
Associate of Applied Science (AAS) degrees – designed for employment in career and technical occupations.
Associate of Science or Oregon transfer degrees (AS, AAOT, ASOT) – designed for transfer to an Oregon college or university in a specific program

BACHELOR DEGREE TRANSFER OPTIONS
RCC students can transfer to an Oregon college or university to finish a bachelor’s degree through one of RCC’s articulated degree programs or on their own. When there is an articulation agreement between RCC and an institution, you will see the degree and a link to that institution.
If there are not any current articulations, you might see other opportunities for educational advancement because some credits may transfer. If not, you will be given general transfer information: RCC’s Transfer Center, Oregon University System, Career Options, and Map of Post Secondary Institutions in Oregon.

RELATED GRADUATE DEGREE OPTIONS
Once a student completes a bachelor’s degree, they can apply to enter a master’s degree program and then doctorate.
- Master of Degree Title: Name of Institution
- Doctorate Degree Title: Name of Institution

FOR MORE INFORMATION
Contact the Counseling Department
Grants Pass ........................................ 541-956-7306
Medford ............................................. 541-245-7552
White City ......................................... 541-245-7863
TRS (Oregon Telecom Relay Service) ..................... 711

CPC LEVEL JOBS AND WAGES
Broad Industry Information (Linked to Occupational Outlook Handbook (OOH) website):
- Job Titles (that match education level) Linked to the Oregon Labor Market Information System (OLMIS) website

CERTIFICATE LEVEL JOBS AND WAGES
This education gives workers a competitive edge on the above mentioned jobs and the following options:
- Job Titles (that match education level) Linked to the Oregon Labor Market Information System (OLMIS) website

ASSOCIATE LEVEL JOBS AND WAGES
This education gives workers a competitive edge on the above mentioned jobs and the following options:
- Job Titles (that match education level) Linked to the Oregon Labor Market Information System (OLMIS) website

BACHELOR LEVEL JOBS AND WAGES
This education gives workers a competitive edge on the above mentioned jobs and the following options:
- Job Titles (that match education level) Linked to the Oregon Labor Market Information System (OLMIS) website

GRADUATE LEVEL JOBS AND WAGES
This education gives workers a competitive edge on the above mentioned jobs and the following options:
- Job Titles (that match education level) Linked to the Oregon Labor Market Information System (OLMIS) website

ADVISORY COMMITTEE
The Advisory Committee is a list of community members (companies and/or individuals) that worked together to express the current needs of the industry to help the college conduct program planning and prepare students for the workforce.

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Career Pathways
www.roguecc.edu/Pathways
• Redwood Campus, 541-956-7192
• Riverside Campus, 541-245-7552
• Table Rock Campus, 541-245-7863
Career Pathways focus on attaining certificates and degrees that lead to high-demand occupations and higher wages.

A key component of Oregon’s overall education, workforce development, and economic development strategies, Pathways support transitions for students coming to community college to reach their goals:
• High school to post-secondary education.
• Pre-college (ABE/GED/ESL/AS) preparation.
• Industry experience, workforce skills, and degree upgrades.
• Career seekers and changers.
• Transferring from community college to university.

Career Pathways roadmaps are a useful visual tool for exploring how continuing education leads to better jobs and wages. Visit the website listed above, and see the roadmap on page 48.

Career Pathways provide opportunities to earn short-term certificates (12-44 credits) that prepare students for specific career opportunities. Career Pathways certificates can lead to completion of one-year certificates, two-year associate degrees, bachelor’s and master’s degrees, and employment.

Specific Career Pathways certificates are available at RCC. See a counselor for details or visit the Career Pathways website listed above.

Focus awards
Focus awards recognize student achievement in certain lower division collegiate interest areas and provide a way for students to deepen their knowledge of a particular subject. RCC focus awards consist of at least 18 credits, contain required core courses that must be completed at RCC, and are designed to complement the Associate of Arts Oregon Transfer degree, Associate of Science degrees, and/or the Oregon Transfer Degree.

Module. Credits earned may transfer to a variety of programs at four-year colleges or universities as elective credits, program requirements, and/or graduation requirements for the receiving institution.

Focus awards are developed and maintained by faculty within academic departments. They do not have official sanction or approval of the state and do not appear on students’ transcripts. RCC currently has one approved focus award in Sustainable Community Development (see Programs of Study section).

Individualized Career Training
www.roguecc.edu/ICT
• Redwood Campus, 541-956-7027
• Riverside Campus, 541-245-7562

Individualized Career Training offers a wide variety of personalized opportunities for vocational training gained through hands-on work experience at local business sites. These programs provide students with an avenue to become trained in a specific field that has a local labor market and for which there is no existing college program.

Employment Skills Training (EST)
Employment Skills Training is a state-approved, one-year certificate program. Based on the student’s specific career goal, a training plan combining academic classes and worksite learning is developed. The core course work of Occupational Skills Training is found in individualized, on-the-job training designed to meet the industry standards of specific occupations. General education requirements and career-related college coursework are also included in the program. Occupational Skills Training is not financial aid eligible.

Practicum/employment considerations
Students in such programs as Criminal Justice, Early Childhood Education, Juvenile Corrections, Human Services, or Nursing who have criminal records or certain physical limitations may be excluded from or limited by employers in some practicum or clinical experiences.

Students should be aware that a criminal history may be a barrier to future employment. In addition, some employers may not be able to accommodate certain physical limitations in filling positions. Students with concerns about these issues should speak directly to the department head or program coordinator.

Cooperative Work Experience (CWE)
Allows students to earn hands-on experience in their major area of study with local businesses while earning college credit. Cooperative Work Experience may be financial-aid eligible if it is part of an aid-eligible program. A maximum of 24 Cooperative Work Experience credits can be applied toward a degree and a maximum of 12 credits toward a certificate unless otherwise noted. Cooperative Work Experience credits must be taken within an approved program of study. Check with program advisers for additional information.

Occupational Skills Training (OST)
Occupational Skills Training is a state-approved, one-year certificate program. Based on the student’s specific career goal, a training plan combining academic classes and worksite learning is developed. The core course work of Occupational Skills Training is found in individualized, on-the-job training designed to meet the industry standards of specific occupations. General education requirements and career-related college coursework are also included in the program. Occupational Skills Training is not financial aid eligible.
Approved electives

The following courses may be used to fulfill AAS, AS, ASOT-Business, and ASOT-Computer Science degree and certificate elective requirements in First Aid/Health, Humanities, Social Science, and Science disciplines with approval of adviser unless otherwise noted on graduation guide.

First Aid/Health Electives
HE112 Emergency First Aid
HE131 Introduction to Exercise and Sport Science
HE250 Personal Health
HE252 First Aid/CPR
HE253 Wilderness First Aid/CPR
HE261 CPR
HEP295 Health and Fitness for Life

Humanities Electives
ART115, 116 Basic Design
ART131, 132, 133 Introduction to Drawing
ART204, 205, 206 History of Art *
ART211 Survey of Visual Arts (Art Appreciation)
COMM201 Media and Society
COMM225 Small Group Communication and Problem Solving
COMM229 Oral Interpretation
COMM257 Communication and Gender *
COMM270 Argument and Debate
ENG104, 105, 106 Introduction to Literature
ENG107, 108, 109 World Literature *
ENG201, 202, 203 Shakespeare
ENG284, 205, 206 Survey of English Literature
ENG255, 254, 255 Survey of American Literature
ENG257 African American Literature *
ENG260 Introduction to Women Writers *
ENG275 The Bible as Literature
FR101, 102, 103 First Year French
FR201, 202, 203 Second Year French
HUM101, 102, 103 Introduction to Humanities *
HUM215, 216, 217, 218, 219 Native American Arts and Cultures *
IS110 Introduction to International Studies *
ITAL 101, 102, 103 First Year Italian
MUS101 Music Fundamentals
MUS105 Music Appreciation
MUS108 Music in World Cultures
MUS111, 112, 113 Music Theory and Aural Skills
MUS201 Introduction to Western Music
MUS202 History of Jazz
MUS206 Introduction to Rock Music
MUS201, 202, 203 History of Western Music, I, II, III
MUS204, 205, 206 History of Rock I, II, III
PHL101 Philosophical Problems
PHL102 Ethics
PHL103 Critical Reasoning
REL201 World Religions *
REL243 Nature, Religion and Ecology *
SP100 Basic Communication
SP111 Fundamentals of Public Speaking
SP115 Introduction to Intercultural Communication *
SP218 Interpersonal Communication
SPAN101, 102, 103 First Year Spanish
SPAN201, 202, 203 Second Year Spanish
TA141, 142, 143 Fundamentals of Acting
TA144, 145, 146 Improvisational Theater
TA153 Theater Rehearsal and Performance
TA155 Readers Theater

Social Science Electives
ANTH110 Introduction to Cultural Anthropology *
ANTH150 Introduction to Archaeology
CJ100 Foundations and Ethics in Criminal Justice
CJ101 Introduction to Criminology **
CJ110 Introduction to Law Enforcement
CJ120 Introduction to the Judicial Process
CJ130 Introduction to Corrections
CJ201 Juvenile Delinquency **
CJ214 Criminal Justice and Diversity
CJ220 Introduction to the Substantive Law and Liability
CJ221 II. Constitutional Criminal Procedure
CJ243 Drugs, Crime and Addiction **
ECON201 Introduction to Macroeconomics
ECON202 Introduction to Microeconomics
GEOG100 Introduction to Physical Geography
GEOG110 Introduction to Cultural and Human Geography *
GEOG120 World Regional Geography
HIST104, 105 History of World Civilization *
HIST201, 202 History of the United States
IS111 Introduction to International Studies
PS201, 202, 203 U.S. Government
PSY101 Psychology of Human Relations
PSY119 Psychology of Personal Growth
PSY201, 202, 203 General Psychology
PSY215 Life Span Human Development
PSY219 Introduction to Abnormal Psychology
PSY231 Human Sexuality
SOC204 Introduction to Sociology *
SOC205 American Society *
SOC213 Race and Ethnicity in the U.S. *
SOC218 Sociology of Gender *
SOC221 Juvenile Delinquency **
SOC225 Social Problems
SOC228 Environment and Society
SOC230 Introduction to Gerontology
SOC235 The Chicano/Latino Historical Experience *
SOC243 Drugs, Crime and Addiction **
SOC244 Introduction to Criminology **

Science Electives
BI100 Introductory Biology w/out Lab
BI101, 102, 103 Introduction to Biology (non-majors) w/ Lab
BI121, 122 Elementary Anatomy/Physiology w/Lab
BI145 Environmental Science
BI211, 212, 213 Principles of Biology w/Lab
BI231, 232, 233 Anatomy and Physiology w/Lab
BI234 Microbiology w/Lab
BI272 Introduction to Ecology w/Lab
CHEM104, 105, 106 Introductory Chemistry w/Lab
CHEM221, 222, 223 General Chemistry w/Lab
G100 Fundamentals of Geology w/out Lab
GEOG101, 102, 103 Introduction to Geology w/Lab
GS104 Physical Science w/Lab
GS105 Physical Science: Chemistry w/Lab
GS106 Physical Science: Earth Science w/Lab
GS107 Astronomy w/Lab
GS108 Oceanography w/Lab
GS161 Field Regional Studies w/Lab
GS170 Regional Field Geology w/Lab
NFM225 Nutrition
PH201, 202, 203 General Physics w/Lab
PH211, 212, 213 General Physics/Calculus w/Lab

* Fulfills cultural literacy requirement for the Associate of Arts Oregon Transfer degree.
** Indicates dual-numbered courses. Only one course can be counted for credit.
Program Learning Outcomes

Program Learning Outcomes are course outcomes that department faculty agree are necessary for moving on to the next step, whether that be completion of a set of courses, a sequence (such as MTH60, 65, 95), a certificate, a degree, or transfer to another institution.

These outcomes are updated as new information is integrated, either from changes in the labor market or from transfer institutions, state agencies, etc. The program and/or department assures that all the necessary outcomes are included and assessed within its courses.

Academic Skills
1. Communicate written thought in a clear and organized manner to effectively inform, persuade, describe, and convey ideas in academic, work, community, and family settings.
2. Use reading skills and strategies to comprehend a variety of textual materials in academic, work, community, and family settings.
3. Use whole numbers, fractions, and decimals appropriately and effectively in solving problems in academic, work, community, and family settings.

Adult Basic Skills
1. Read diverse texts in academic, work, community, and family settings, integrating knowledge, skills, and strategies to address the reading purpose.
2. Listen and speak for mutual understanding in academic, work, community, and family settings, integrating knowledge, skills, and strategies to meet the communication purpose.
3. Write to express meaning clearly and effectively in academic, work, community, and family settings, integrating knowledge, skills, and strategies to meet the writing purpose.
4. Use mathematical reasoning in academic, work, community, and family settings, integrating knowledge, skills, and strategies to solve problems.

Apprenticeship
1. Demonstrate workforce skills required in a chosen trade.
2. Work effectively and safely within the required duties of the identified trade.

Art
1. Demonstrate an understanding of the study of human potential and development expressed through visual art in areas of culture, history, politics, religion, the environment, economics and the other arts. Students should be able to compare, contrast, and cite works of non-Western and Western art and culture in relation to each other, and demonstrate awareness of contemporary issues in art and culture.
2. Acquire knowledge and familiarity with the principles and theories in the required courses of basic design, color theory, basic drawing, illustration, and approved program electives in the Graphic Design program.
3. Develop skills in specific art studio disciplines relevant to both an art interest within AAOT coursework and life-enrichment goals.
4. Demonstrate independent thinking and originality in the idea development process involved in producing a work of visual art.
5. Acquire a working knowledge of a diversity of techniques, styles, and concepts in two and three-dimensional art forms of art throughout history, and be able to discuss these art issues with discipline-specific nomenclature.

Automotive
1. Diagnose and repair all major vehicle systems.
2. Document repairs of vehicles accurately and descriptive of concern, cause, and correction.
3. Effectively locate and utilize technical information required for vehicle repairs.
4. Work safely and responsibly within all shop standards and environmental guidelines.
5. Successfully pass at least two Automotive Service Excellence (ASE) technical skill assessments.
6. Function collaboratively as a member of a team to achieve specified and measurable results.
7. Demonstrate comprehensive knowledge of employer expectations and ethical work practice.
8. Demonstrate accuracy, proficiency and quality in task performance.
9. Strategize professional growth in the automotive industry.

Business Technology
1. Possess specific workplace skills required by area employers.
2. Demonstrate proficiency in Microsoft Office software applications.
3. Apply the fundamentals of proofreading, editing, grammar, writing style, and formatting to a variety of business documents.
4. Produce a professionally written technical report and follow all parts of the technical writing process (AAS and ASOT in Business degrees).
5. Develop “soft skills” such as teamwork, anger management, customer service, and conflict management strategies in dealing with conflict in the workplace.

Commercial Truck Driving
1. Apply appropriate knowledge to successfully secure a Class A operating permit, and relevant endorsements through the Oregon Department of Motor Vehicles (ODMV).
2. Demonstrate safety awareness by successfully competition of the Smith System Safety Training.
3. Demonstrate appropriate knowledge and skills to pass the ODMV Class A license skills test.

Community Education
1. Integrate personal enrichment opportunities through hands-on learning experiences and skills.
2. Collaborate and foster lifelong learning skills.

Computer Science
1. Demonstrate fluency and competency in an object-oriented programming language.
2. Identify and analyze requirements and specifications for computing problems and plans strategies for their solution.
3. Apply concepts, principles, and theories relating to computer science to new situations.
4. Compare and evaluate design and algorithm choices used to solve computing problems.
5. Identify appropriate practices within a professional, legal, and ethical framework.
6. Work effectively as an individual under guidance and as a member of a team.
7. Communicate technical problems and solutions to a range of audiences.
8. Integrate learning from other areas to solve computing problems.
9. Assess the quality, accuracy, and timeliness of data.
10. Apply relational database concepts, principles, and theories to designing
and creating information systems.
11. Apply operating system and hardware concepts and principles to problem solving in the context of computer systems.
12. Apply knowledge of networking concepts and principles to solving problems related to networked computer systems.
13. Evaluate the impact and role of technology in the health care industry.
14. Apply principles, concepts, and structured techniques to assess, evaluate, and synthesize current information and trends in health informatics.

Criminal Justice
1. Integrate and apply acquired knowledge and skills related to justice administration systems, crime control policy, theory, law, and technology to effectively manage and control problems related to crime and public safety in jurisdictions of employment.
2. Work in teams and in collaborative environments with stakeholders in communities of interest to develop solutions to problems of crime and public safety within those communities of interest.
3. Apply a strong ethic of public service, personal, and professional growth, in their respective roles to include a commitment to apply culturally sensitive strategies of communication and problem-solving in the process.

Dental Assistant
1. Demonstrate patient education and management skills.
   • Provide oral health instruction and counseling. Recommend home-care strategies.
   • Recognize patient abilities to properly care for their teeth.
   • Translate dental terminology to layman’s terms.
   • Advise patients on impact of diet on oral health.
   • Identify normal and pathological abnormalities of the oral structures.
   • Perform extra oral tissue examinations.
2. Demonstrate administrative office skills.
   • Accurately review health history forms with patients.
   • Practice effective interpersonal and communication skills.
   • Model professional conduct and appearance, and demonstrate professional behaviors consistent to the dental workplace.
   • Identify and effectively manage time and resources.
3. Demonstrate occupational safety skills.
   • Apply current concepts of infection control and occupational safety.
   • Engage and assist in the management of medical and dental emergencies and administer basic life support procedures, when indicated.
   • Demonstrate proficiency in sterilizing instruments and disinfecting equipment.
4. Demonstrate general chair-side skills.
   • Assist in diagnostic and operative procedures. Perform clinical supportive functions during pre-treatment, treatment, and post-treatment phases.
   • Demonstrate proper tray setups.
   • Identify and differentiate between esthetic and restorative treatment procedures.
5. Demonstrate fluency and competency dealing with legal and ethical issues.
   • Practice exercising sound clinical judgment while performing duties within existing ethical and legal parameters of the clinical dental practice.
   • Practice compliance with OSHA, OR-OSHA, and HIPAA regulations.
6. Demonstrate radiographic proficiencies.
   • Demonstrate proper film placement for intra- and extra-oral films and expose, process, and mount radiographs of diagnostic quality.
   • Effectively communicate radiographic safety techniques and concerns to patients and peers and acquire maximum diagnostic yield with minimal exposure to radiation.
7. Demonstrate dental and laboratory sciences skills.
   • Apply knowledge of basic dental sciences in professional setting, use correct dental terminology, take alginate impressions, and complete laboratory procedures, including pouring and trimming molds and study casts.

Diesel Technology
1. Work within OSHA, RCC and current industry safety guidelines and standards to promote a safe working environment.
2. Read wiring diagrams and schematics, measure voltage, amperage and resistance with RCC and standard industry equipment, evaluate and troubleshoot wiring, charging and starting problems.
3. Evaluate, troubleshoot and repair diesel engines, heavy-duty brakes, suspension and steering, power train assemblies, air conditioning and basic hydraulics.
4. Evaluate and troubleshoot computerized systems on the chassis, engine, brakes and suspension, evaluate fault codes and make repairs as needed.
5. Work in a cohesive group on a collective project from beginning to end and produce high quality work while adhering to safety and lab procedures.

Early Childhood and Elementary Education
1. Promote child development and learning.
   • Demonstrate their understanding of children’s characteristics and needs.
   • Demonstrate understanding of the multiple interacting influences on children’s development and learning.
   • Use developmental knowledge to create learning environments that are healthy, respectful, supportive and challenging for each child.
2. Build family and community relationships.
   • Understand, and value the importance and complex characteristics of children’s families and communities.
   • Support and engage families and communities through respectful, reciprocal relationships.
   • Involve families and communities in their children’s development and learning.
3. Observe, document, and assess.
   • Understand the goals, benefits, and uses of assessment.
   • Understand and use observations, documentation, and other appropriate assessment tools and approaches.
   • Understand and practice responsible assessment to promote positive outcomes for each child.
   • Understand assessment partnerships with families and with professional colleagues.
4. Use developmentally effective approaches to connect with children and families.
   • Understand positive relationships and supportive interactions as the foundation of their work with children.
• Know and understand effective strategies and tools for early childhood and/or elementary education.
• Use a broad repertoire of developmentally appropriate teaching/learning approaches.
• Reflect on own practice to promote positive outcomes for each child.
5. Use content knowledge to build meaningful curriculum.
• Understand content knowledge and resources in academic disciplines.
• Know and use the central concepts, inquiry tools, and structures of content areas or academic disciplines.
• Use own knowledge, appropriate early childhood or elementary learning standards, and other resources to design, implement, and evaluate meaningful, challenging curricula for every child.
6. Demonstrate professionalism.
• Identify and involve themselves with the early childhood and/or elementary education field.
• Know about and uphold ethical guidelines and other professional guidelines.
• Engage in continuous, collaborative learning to inform practice.
• Integrate knowledgeable, reflective, and critical perspectives on education.
• Engage in informed advocacy for children and the profession.

Electronics
1. Identify and solve real-world problems through the application of electronics theory and concepts.
2. Calibrate, test, and repair analog and digital circuitry using industry standard test equipment.
3. Organize, interpret, and use technical information and documentation.
4. Communicate effectively across a variety of audiences: technicians, engineers, management, and customers.
5. Function collaboratively as a member of a team to achieve specified and measurable results.
6. Demonstrate flexibility, adaptability, and time management skills commensurate with industry productivity needs.
7. Demonstrate the ability to adhere to personal and industry safety standards.
9. Negotiate and abide by the terms of agreement that define their employment.

Emergency Medical Services
1. Perform an adequate patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.
2. Demonstrate effective communication, cultural competency, and conflict management and intervention skills for people in crisis.
3. Implement self-care strategies and techniques to address the impact of stress and emotional trauma on emergency providers.
4. Demonstrate leadership, teamwork and decision-making in the management of multiple personnel on emergency scenes.
5. Understand and follow workplace expectations regarding attendance, safety, conduct and professionalism.
6. Demonstrate proficiency in written and oral communication to meet a variety of rhetorical demands.
7. Demonstrate the ability to do fire and life safety inspections and have an understanding of fire prevention principles.

Health, Physical Education and Recreation
1. Demonstrate an understanding of demographic health changes and trends in chronic and acute diseases in the U.S. over the last 100 years.
2. Define what it means to have a healthy citizenry. Be able to explain wellness and disease as it relates to the larger community.
3. Understand the effects of nutrition, stress and exercise on healthy living and the human body.
4. Demonstrate proficiency understanding of rules and etiquette for sport or activity to encourage lifelong physical engagement in the wellness activity.
5. Exhibit improvement in skills or body mechanics at the conclusion of an HPER course.

Humanities
1. Demonstrate proficiency in written and oral communication to meet a variety of rhetorical demands.
2. Understand and respond to art, literature, and human expression across a broad range of cultures and time periods.
3. Interpret and engage in artistic expression, making use of the creative process to enrich the quality of life.
4. Demonstrate proficiency understanding of rules and etiquette for sport or activity to encourage lifelong physical engagement in the wellness activity.
5. Engage in critical discourse beyond the classroom, understanding the interdependent, culturally diverse world we live in.

Human Services
1. Demonstrate proficiency in written and oral communication to meet a variety of rhetorical demands.
2. Establish rapport and a therapeutic alliance with clients through the demonstration of empathy, genuineness, congruence, and unconditional positive regard.
3. Promote personal growth in self and
others by practicing positive living, optimism, self-examination and willingness to change.
4. Exhibit sensitivity and insight into the wide variety of problems in living experienced by individuals and groups in contemporary society.
5. Demonstrate clinical skills of screening, assessment, treatment planning, termination and referral.
6. Incorporate knowledge about the interrelated effects of addictions, poverty, mental and physical illness, and homelessness on family dynamics and intimate relationships in an integrated approach to addressing issues of family and intimate partner violence, child abuse and neglect.
7. Demonstrate specific skills in active listening, motivational interviewing, group counseling, crisis intervention and management, and counseling chemically dependent, traumatized, mentally ill and emotionally disturbed clients, as well as those with co-occurring mental health and addictions diagnoses.
8. Function effectively as a member of a team in providing services, designing programs, and working collaboratively among agencies and organizations for the benefit of clients and the community.

**Individualized Career Training**
1. Attain a level of work ethics competencies to meet or exceed associated employer standards.
2. Demonstrate competitive proficiency in the functional skills of their training occupation.
3. Attain any applicable licensing or certification required by industry.
4. Achieve employment as appropriate in desired occupational field.

**Landscape Technology**
1. Identify and analyze requirements to successfully complete Oregon Landscape Contractors Board (OLCB) general license test.
2. Possess and demonstrate appropriate skills to successfully gain employment within the landscape field.

**Library**
1. Formulate a problem statement.
2. Determine the nature and extent of the information needed to address the problem.
3. Access relevant information effectively and efficiently.
4. Evaluate information and its source critically.
5. Understand many of the economic, legal, and social issues surrounding the use of information.

**Manufacturing**
1. Operate, setup, and program manual and CNC mills and lathes to print specifications.
2. Interpret and create mechanical blueprints to industry standards.
3. Follow, develop, and troubleshoot manufacturing processes and procedures.
4. Demonstrate the ability to adhere to personal and industry safety standards to protect personal and equipment.

**Manufacturing Technology**
1. Show a serious commitment to a culture of safety in all college and work environments.
2. Operate, setup, and program manual and CNC mills and lathes to print specifications.
3. Interpret and create mechanical blueprints to industry standards.
4. Follow, develop, and refine manufacturing processes and procedures.
5. Develop a logical sequence of steps to foresee, troubleshoot, and resolve mechanical and process issues that may arise in the workplace.
6. Demonstrate a commitment to the professional standards of the industry.

**Massage Therapy**
1. Communicate clearly and effectively in a professional manner with clients, members of the health care team, and others.
2. Demonstrate and document various assessment processes: recognizing health and non-health within the body.
3. Demonstrate ability to research pathologies and utilize clinical judgment using knowledge and problem solving skills when creating and implementing a treatment plan.
4. Provide care for diverse populations of clientele and demonstrate a personal commitment to service and the profession of massage therapy.
5. Demonstrate ethical/legal behaviors and boundaries in the massage profession, identify and apply components of a business plan and the ability to bill insurance cases.
6. Utilize universal precautions and maintain a high level of sanitization of equipment and the facility.
7. Utilize a variety of soft tissue modalities to aid in the health and healing of one’s body and recognize how these modalities and massage skills combine to create different effects to meet the goals of clientele.
8. Use safe, efficient and effective body mechanics for injury prevention of the therapist and client as well as utilize, demonstrate and instruct the client in self-care techniques.
9. Identify and describe components of the body systems, how homeostasis is maintained, effects of massage on the differing systems and demonstrate safe movement through range of motion.

**Mathematics**
1. Students will be able to solve problems by creating mathematical models using efficient mathematical tools and selecting appropriate technology.
2. Students will be able to follow a multi-step mathematical process through to a logical conclusion.
3. Students will be able to recognize and appreciate mathematics in context and display a curiosity and confidence for problem solving.
4. Students will be able to accurately interpret the solution to a problem, including recognizing the reasonableness of the result.
5. Students will be able to communicate solutions in a way that is useful to others, by using mathematical terminology and notation appropriately, efficiently, and correctly.
6. Students will be able to select and efficiently use the tools of mathematics they know along with the appropriate technology to work with more complex mathematical concepts.

**Medical Administrative Assistant**
1. Perform health care office procedures that include scheduling, bookkeeping, billing and payment collection, utiliz-
ing a working knowledge of medical terminology, body systems, common medications, electronic health records and insurance.

2. Educate, advocate for, and collaborate with patients and the health care team within the scope of practice.

3. Compose, edit, proofread, and accurately produce health care and other business documents using appropriate software and equipment within specified timelines.

4. Integrate computer and communication technologies, as well as critical thinking skills, to accomplish health care office tasks.

5. Store, retrieve, distribute, and manage information and supplies as per clinic protocol.

6. Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.

7. Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

8. Apply verbal, nonverbal, and written communication principles and skills effectively and compassionately within a team setting.


Medical Assistant

1. Skillfully perform and document routine clinical procedures according to current office protocol.

2. Perform and document routine administrative procedures according to current office protocol.

3. Collect, process, and test diagnostic specimens.


5. Uphold legal and ethical standards and confidentiality for patient privacy.

6. Effectively apply verbal, nonverbal, and written communication principles and skills in the workplace.

7. Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

Medical Coding Specialist

1. Build a fundamental understanding of the human body and medical terminology as they apply to medical billing and coding.

2. Assign and understand diagnostic and procedure codes using ICD and HCPCS/CPT coding systems as used in a variety of settings.

3. Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care community environment as defined by federal, state, and local guidelines and regulations.

4. Effectively use specialized computer programs (EMR) and the Microsoft Office Suite.

5. Recognize and understand common acronyms used within the industry.

6. Understand and appropriately apply industry-standard payment methodologies.

7. Effectively apply verbal, nonverbal, and written communication principles and skills in the workplace.

8. Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

Nursing

1. Base personal and professional actions on a set of shared core nursing values, including social justice, caring, advocacy, protection from harm, respect for self and others, collegiality, and ethical behavior; notice, interpret, respond and reflect on ethical dilemmas using ethical principles and frameworks as a guideline.

2. Develop insight through reflection, self-analysis, and self-care.

3. Engage in intentional learning, developing self-awareness of learning and effects on client care, seeking new, relevant knowledge and skills.

4. Demonstrate leadership in nursing and health care to meet client needs, improve the health care system, and facilitate community problem solving.

5. Collaborate as part of a health care team, receiving, using and giving constructive feedback.

6. Practice within, utilize, and contribute to the broader health care system.

7. Practice relationship-centered care, based on empathy and caring, deep understanding of the care experience, and mutual trust and respect for the autonomy of the client.

8. Communicate effectively and therapeutically, with attention to elements of cultural influences, and using appropriate modalities and technologies.

9. Make sound clinical judgments through noticing, interpreting and responding, using best available evidence, frameworks and systems to organize data and knowledge; accurately perform skills while maintaining patient and personal safety.

10. Locate, evaluate, and use the best available evidence.

Pharmacy Technician

1. Accurately implement physician orders by preparing, labeling and packaging medications while working under the supervision of a licensed pharmacist.

2. Demonstrate proficiency in assisting pharmacists in preparing, storing, and distributing medication products appropriate to a variety of pharmacy settings.

3. Perform accurate pharmacy calculations and proficiently apply computer skills, record keeping and billing in adherence to applicable industry regulations.

4. Apply verbal, nonverbal, and written communication principles and skills effectively and compassionately within a team setting.

5. Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care and community environment as defined by HIPAA.


7. Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

8. Prepare for the national pharmacy technician certification and licensure as required by State of Oregon regulations.

Practical Nursing

1. Demonstrate a personal commitment to service and the profession of nursing.

2. Demonstrate ethical and legal behavior in nursing practice.

3. Demonstrate clinical judgment using knowledge and problem solving skills when contributing to and implementing the plan of care.

4. Provide culturally sensitive care across the lifespan.

5. Apply established principles of health promotion and preventive health care.

6. Use technological resources effectively and appropriately.
7. Provide clinically competent care through use of established standards and practice guidelines.
8. Use clear and effective therapeutic communication with clients, families, members of the health care team, and others.
9. Apply concepts of resource utilization to practice cost-effective nursing care.
10. Functions as a member of the health care team.
11. Manage and coordinate care within organizational and regulatory constraints.

Science
1. Students can collect and analyze data.
2. Students can organize and present data in an appropriate format.
3. Using data students can draw conclusion and/or make decisions based on data.
4. Students will come to class prepared for lab and lecture.
5. Students in a sequence will demonstrate improvement in basic science skills.

Social Science
1. Apply analytical skills to social phenomena in order to understand human behavior.
2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.
3. Understand the role of individuals and institutions within the context of society.
4. Assess different social science theories and concepts and understand the distinction between empirical and other methods of inquiry.
5. Utilize appropriate information literacy skills in written and oral communication.
6. Understand the diversity of human experience and thought, individually and collectively.
7. Apply knowledge and skills to contemporary problems and issues.

Sterile Processing Technician
1. Demonstrate basic technical skills in managing the process for surgical instrumentation sterilization, inventory control and supply chain management, and information technology as it relates to the sterile processing environment.
2. Demonstrate professional behaviors of caring, accountability, responsibility, respect for the quality care of patients, acceptable attitude and attire, and organization and time management skills.
3. Work independently in a team of central sterile processing technicians who are collaborating to maintain sterilization and storage.
4. Utilize critical thinking skills as a basis for clinical judgment and anticipatory decision making when managing all tasks related to sterile processing.
5. Effectively apply verbal, nonverbal, and written communication principles and skills in the workplace.
7. Uphold legal and ethical standards and adhere to principles of patient confidentiality within the health care community environment as defined by HIPAA.

Welding Technology
1. Show a serious commitment to a culture of safety in all college and work environments.
2. Produce industry quality weldments on carbon steel plate in various joint and groove configurations. Processes include oxy fuel cutting, Plasma arc cutting, SMAW, GMAW and FCAW.
3. Produce industry-quality welds using GTAW, GMAW and FCAW on stainless steel and aluminum plate.
4. Produce industry-quality welds on various diameters of carbon steel pipe in the 5g and 6g positions using SMAW electrodes E6010 and E7018.
5. Develop a logical sequence of steps to foresee, troubleshoot, and resolve mechanical and process issues that may arise in the workplace.
6. Interpret and create mechanical blueprints to industry standards.
7. Layout and fabricate industry-quality fabrication projects using shearing and forming equipment.
8. Demonstrate a commitment to the professional standards of the industry.

Workforce Training
1. Demonstrate workforce skills that can be taken immediately into the flow of commerce.
About transferring  
www.roguecc.edu/Transfer

- Counseling Department/Transfer Center, G Building, Riverside Campus, 245-7552
- Student Services Building, Redwood Campus, 956-7190 (for undeclared and/or exploring majors)

RCC students intending to earn a four-year degree from an Oregon public or private university may complete all the lower-division general education requirements at RCC and begin work on the requirements for a specific major.

Students can prepare for more than 30 transfer majors at RCC where the advantages include smaller classes, lower tuition costs, and teaching excellence. RCC also provides academic support through free tutoring services.

The RCC transfer centers provide college catalogs, advising guides, admission and scholarship applications, and current publications from Oregon schools. Students also may use the centers’ computers for direct access to the online transfer center.

Planning to transfer

Making a transfer plan early can save time and money. Because the general education and academic major requirements differ at each Oregon university, it is important to identify which courses can be taken at RCC before transferring. Some academic majors may require an early start on mathematics. For other majors, students may need to transfer after one year at RCC in order to take essential lower-division major coursework offered only at the transfer school.

Transfer advising

Academic and faculty advisers and counselors are available to assist students in developing educational plans that will meet the requirements of their chosen majors and transfer schools. Additionally, students who may be undecided or undeclared in a major have access to RCC counselors and courses designed to assist them in choosing appropriate majors and careers.

Rogue Community College has developed transfer agreements or “articulations” with Southern Oregon University, Oregon Tech, Capella University, Montana State University – Northern, Lane Community College, Linn-Benton Community College, Centralia College, University of Alaska/Fairbanks, University of Phoenix, and Eastern Oregon University. The college/university connection offers students the option of earning a two-year degree and the opportunity to enroll in university courses at the same time, easing transitions to the four-year universities.

University residency requirements

Students should visit individual university Web sites to plan their transfer education and to determine residency requirements in place for specific schools.

Reverse transfer

Students who earn a certificate or associate degree on the way to earning a bachelor’s degree create a faster and more efficient track to baccalaureate achievement. Earning the degree or certificate provides an additional credential that makes them more competitive when applying for jobs and scholarships.

Students who transfer to a university or another community college before earning a degree, but after earning a minimum of 24 college-level credits at Rogue Community College, may transfer credits back to RCC. If classes earned elsewhere complete the requirements for an RCC degree or certificate, the college will grant it. To find out if you qualify, apply for graduation at www.roguecc.edu/Enrollment/Forms.

Transfer options

Students attending RCC have several options for transfer to an Oregon public or private university.

Associate of Arts Oregon Transfer degree (AAOT)

This degree is designed for students planning to complete an associate’s degree before transferring into a bachelor’s degree program at one of Oregon’s public universities.

The AAOT is accepted at all Oregon public universities as “block transfer,” enabling students to enter a university with junior standing for registration purposes.

Completion of the AAOT does not guarantee admission to a specific business school or program. It is strongly recommended that students make direct contact with their business school or program for advising and admission-specific requirements prior to completing this degree.

Associate of Science Oregon Transfer – Business (ASOT)

The Associate of Science Oregon Transfer degree in Business is designed for students transferring into business degree programs at Oregon public universities. The ASOT is accepted at all Oregon public universities as “block transfer,” enabling students to enter a university with junior standing for registration purposes.

Completion of the ASOT does not guarantee admission to a specific business school or program. It is strongly recommended that students make direct contact with their business school or program for advising and admission-specific requirements prior to completing this degree.

Associate of Science Oregon Transfer – Computer Science (ASOT)

The Associate of Science Oregon Transfer degree in Computer Science is designed for students transferring into baccalaureate degree programs in computer science or software engineering. Those completing the ASOT-Computer Science degree are assured junior level standing and will have met the lower division general education requirements of any institution in the Oregon University System (OUS).

Completion of the ASOT does not guarantee admission to a specific computer science school or program. Students should use the ASOT-Computer Science university-specific degree requirements guide for specific transfer requirements for individual schools. See an adviser for more information.

Associate of Science specific program articulations (AS degree)

RCC offers the Associate of Science degree should consult with their academic advisers for the best option.

The AAOT is generally accepted at selected Oregon private colleges and universities. These include Concordia University, Pacific University, Warner Pacific University, George Fox University, Marylhurst University, and Corbin University. Additionally, the following out-of-state schools accept the AAOT: Hawaii Pacific University, Brigham Young University – Hawaii, Boise State University, Seattle Pacific University, and Washington State University.

Students are encouraged to contact the specific transfer school for the most current information.
in the specific areas listed below. Students completing this degree will have met all lower-division general education and academic major requirements to obtain junior status in specific programs at specific schools. Students are strongly encouraged to work with faculty advisers in these articulated programs to ensure proper academic planning.

• Business (articulated with SOU and Oregon Tech)
• Computer Engineering Technology (articulated with Oregon Tech)
• Criminology (articulated with SOU)
• Computer Programming and Software (articulated with SOU)
• Early Childhood Development (articulated with SOU)
• Elementary Education (articulated with SOU)
• Embedded Systems Engineering (articulated with Oregon Tech)
• Emerging Media and Digital Arts (articulated with SOU)
• Health and Physical Education (articulated with SOU)
• Human Services (articulated with SOU)
• Information Technology/Health Informatics (articulated with Oregon Tech)
• Manufacturing and Engineering Technology (articulated with Oregon Tech)
• Outdoor Adventure Leadership (articulated with SOU)
• Software Engineering Technology (articulated with Oregon Tech)

**Associate of General Studies (AGS)**

The Associate of General Studies degree (AGS) offers students a useful alternative for direct transfer. It enables students to complete an associate degree tailored to the general education and academic major requirements of the transfer school. Educational planning for the AGS degree should be done with the assistance of academic advisers or counselors.

**Oregon Transfer Module (OTM)**

The Oregon Transfer Module (OTM) provides a one-year curriculum for students who want to transfer to one of Oregon’s public universities prior to completing a two-year degree. Students complete one year of general education courses that will be applied to the transfer university general education and academic major requirements. By fulfilling these requirements and meeting the admission standards of the transfer college, students will qualify for sophomore standing.

Students choosing this transfer option are advised to work closely with their faculty advisers to ensure selection of appropriate courses. Upon transfer, students will be required to complete additional general education and academic major requirements specific to the transfer institution. Students should be aware that if they transfer prior to completing this module, courses will be evaluated individually toward the general education requirements of the university of their choice.

Courses in this module may also be applied to an Associate of Arts Oregon Transfer Degree (AAOT) or Associate of Science Oregon Transfer-Business degree (ASOT-Business), thus providing an additional option for students who may start on this track and decide instead to complete a two-year degree.

The Oregon Transfer Module differs from traditional certificates and degrees in that it is a milestone on the path to degree completion and is not eligible for commencement exercises. Such milestones will be noted on students’ transcripts.

**Direct transfer**

The direct transfer option is for students who have selected a transfer school and academic major and who want to take specific classes for that major and/or transfer to a university. Direct transfer students will be required to meet the transfer school’s freshman or transfer admission requirements. These will include a minimum transfer GPA, completion of specific courses (e.g., WR121, MTH111, etc.) and completion of a certain number of transferable credits. Students who do not meet the transfer student criteria must satisfy the new freshman requirements. Students are advised to visit the transfer school’s website for specific admission requirements. Students who choose the direct transfer option will have RCC courses evaluated and accepted on a course-by-course basis by the transfer institution.

**Transfer agreements**

**Capella University**

RCC has a course-to-course transfer agreement with Capella University that allows students to transfer to certain bachelor’s degree programs offered by Capella University. These include business specialization areas, public administration, information technology specialization areas and psychology. Specific degree agreements are also available allowing RCC graduates to be awarded specific credits toward a bachelor’s degree. Specific degree program articulation agreements include:

- RCC’s Associate of Arts Oregon Transfer degree to selected Associate of Applied Science degrees in Psychology, Information Technology, Public Safety or Business Bachelor of Science degrees.
- RCC’s Associate of Science Oregon Transfer – Business degree to General Public Administration or Business Bachelor of Science degrees.

More information is available by calling Brian Schmidt at brian.schmidt@capella.edu, or visiting www.capella.edu/rogue.

**Centralia College**

Students successfully completing the RCC Associate of Applied Science degree in Diesel Technology may transfer to Centralia College in Washington to pursue a Bachelor of Applied Science degree in Diesel Technology. Students will be granted 108 quarter credits toward the degree. For more information contact the RCC Diesel Technology program at 541-245-7809.

**Eastern Oregon University**

RCC has a transfer agreement with Eastern Oregon University (EOU) for fire science students to pursue a Bachelor of Science degree in Fire Service Administration. Students will be granted up to 24 fire science credits toward the degree at EOU. For more information contact the RCC Fire Science program at 541-245-7965.

**Lane Community College**

RCC partners with Lane Community College to provide training for physical therapy assistants in Jackson and Josephine counties.

Students successfully completing the program are awarded an Associate of Applied Science degree by Lane Community College. RCC offers program prerequisites, general education, and related coursework locally, while students access PTA program-specific courses through LCC distance education delivery using LaneOnline. The program prepares students to become entry-level physical therapy assistants in a variety of practice settings, and to pass the National Physical Therapy Examination (NPTE) administered by the Federation of State Boards of Physical Therapy.

Most of the program can be completed locally. Clinical placements in the second year
of the program will depend on availability of sites. As such, students may have to travel outside their immediate geographic area to a location in the Pacific Northwest.

For information regarding the Physical Therapy Assistant program, visit www.roguecc.edu/AlliedHealth.

Linn-Benton Community College

RCC partners with Linn-Benton Community College to provide training for occupational therapy assistants in Jackson and Josephine counties.

The program prepares students to function as entry-level occupational therapy assistants in a variety of settings and to pass the National Board for Certification in Occupational Therapy examination. Linn-Benton Community College awards an Associate of Applied Science (AAS) degree, with RCC offering program prerequisites, general education classes and related coursework.

By taking a combination of RCC classes and distance-education courses offered by LBCC, the OTA program can be completed while a student is living in the Rogue Valley. Students enrolled in the program will need to travel to the LBCC campus in Albany approximately two to four times a term.

For details on the Occupational Therapy Assistant training visit www.roguecc.edu/AlliedHealth.

Montana State University — Northern

Students completing the Associate of Applied Science degree in Diesel Technology may transfer to Montana State University – Northern (MSU-N) to pursue a Bachelor of Science degree in Diesel Technology. Students will be granted 60 semester credits (block transfer) or equivalent 90 quarter credits toward the degree. For more information contact the RCC Diesel Technology program at 541-245-7809.

Oregon Institute of Technology

In addition to Associate of Science degree programs for transfer into the Business, Computer Engineering Technology, Embedded Systems Engineering, Manufacturing Engineering Technology, Information Technology/Health Informatics, and Software Engineering Technology programs at Oregon Institute of Technology, students may complete their first year of course prerequisites at RCC and then transfer to Oregon Tech’s Respiratory Care program or from the Graphic Design certificate to the Communication Studies program.

Students also may complete prerequisites for Dental Hygiene, Emergency Medical Services Management, Health Care Management, Medical Imaging Technology, and Health Sciences programs at Oregon Tech.

Students earning an Associate of Arts Oregon Transfer degree or an Associate of Applied Science degree in Human Services may transfer to the Bachelor of Science degree in Population Health Management or Applied Psychology at Oregon Tech. For more information contact the RCC Social Science Department at 541-956-7066 or 541-245-7504.

Southern Oregon University

Students earning a degree in areas not covered by an Associate of Science degree have the option of completing all general education coursework at RCC or enrolling at both RCC and Southern Oregon University in their academic major courses.

By working with an RCC or SOU adviser, students can design a successful transfer plan. Planning ahead will save students time and money and will provide the opportunity to make a seamless transition to the university.

The SOU/RCC joint enrollment program provides many advantages. Joint enrollment means RCC students have access to most SOU facilities, receive coordinated financial aid and admissions, and enjoy eligibility for SOU student or family housing as well as basic health insurance and medical treatment though the SOU Student Health Center.

For more information about joint enrollment or transfer planning, call the Counseling Department 541-245-7552, or contact the SOU Office of Admissions, 541-552-6411, toll free at (800) 482-7672, or via email at admissions@sou.edu.

Southern Oregon University Bachelor of Applied Science

Southern Oregon University also offers a Bachelor of Applied Science (BAS) degree in Management for students who have completed an Associate of Applied Science degree in a technical field and want to earn a bachelor’s degree.

Up to 124 quarter hours may be transferred to the BAS, and the remaining credits are completed at SOU. The BAS degree requires the completion of 180 quarter credits.

If students intend to transfer to the BAS program, transfer courses should be chosen as program electives where possible. See an adviser for more information or visit www.sou.edu/degerecompletion.

University of Alaska/Fairbanks

University of Alaska/Fairbanks (UAF) offers a Bachelor of Emergency Management (BEM) degree in Homeland Security and Emergency Management (HSEM).

Students completing RCC’s Associate of Applied Science degree in Paramedicine will receive credit for transfer into its bachelor’s program. Much of the coursework can be completed online. For more information contact RCC’s Emergency Medical Services Department at 541-245-7965.

University of Phoenix

Phoenix.edu/roguecc

RCC has a course-to-course transfer agreement with University of Phoenix (UP) that allows students to transfer into certain bachelor’s degree programs offered by the university. UP will provide a 5 percent tuition reduction for new students entering into a bachelor’s degree program who have already completed an associate’s degree at RCC.

Students transferring from RCC to UP will be considered as having satisfied their lower-division elective and general education requirements, giving them junior status at UP. Students who transfer using this articulation agreement must meet all prerequisite or state-specific content requirements as outlined in the academic progression and general education requirements policy sections of their chosen program at UP.

For RCC students who pursue an undergraduate level degree program at UP, the university will waive the prior learning assessment fee for community college non-credit training or certificate classes (does not include classes that have been transcribed as transferrable college-level credit towards a certificate or degree program offered at RCC).

More information is available by contacting Lori Silverman, national adviser, Community College Partnerships, University of Phoenix at 503-382-7449 or lori.silverman@apollo.edu.
## Transfer advising and articulations

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<td>541-956-7490 or 541-245-7527</td>
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<tr>
<td>Art</td>
<td>541-956-7490 or 541-245-7527</td>
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<td>Biological Sciences</td>
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<td>Business Administration</td>
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<td>Business Management (Entrepreneurial/ Small Business Option)</td>
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<td>Business – Oregon Transfer</td>
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<td>Chemistry</td>
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<tr>
<td>Communications/Speech/Journalism</td>
<td>541-956-7140 or 541-245-7504</td>
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<tr>
<td>Computer Engineering Technology</td>
<td>541-956-7213 or 541-245-7527</td>
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<tr>
<td>Computer Programming and Software</td>
<td>541-956-7213 or 541-245-7527</td>
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<tr>
<td>Criminology</td>
<td>541-245-7965</td>
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<td>Dental Hygiene</td>
<td>541-956-7066 or 541-245-7527</td>
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<td>Diesel Technology</td>
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<td>Early Childhood Development</td>
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<td>Education (Elementary, Secondary)</td>
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<td>Emergency Medical Services Management</td>
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<td>Emerging Media and Digital Arts</td>
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<td>Embedded Systems Engineering</td>
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<td>Engineering</td>
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<td>English/Literature</td>
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<td>Fire Services Administration</td>
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<tr>
<td>Health/Physical Education /Exercise Science</td>
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<td>History</td>
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<td>Homeland Security and Emergency Management</td>
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<td>Human Services</td>
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<td>Information Technology/Health Informatics</td>
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<td>Manufacturing/Engineering Technology</td>
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<td>Mathematics</td>
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<td>Music</td>
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<td>Nursing (OHSU)</td>
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<td>Occupational Therapy</td>
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<td>Outdoor Adventure Leadership</td>
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<td>Population Health Management</td>
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<td>Physical Therapy</td>
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<td>Respiratory Care</td>
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<td>Software Engineering Technology</td>
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### Programs of Study

#### Degree/certificate options overview

The following is a quick reference guide listing the college transfer and career and technical programs (certificates and degrees) and the pages on which they can be found in this catalog.

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<td>Associate of Arts Oregon Transfer</td>
<td>64</td>
</tr>
<tr>
<td>Associate of General Studies</td>
<td>66</td>
</tr>
<tr>
<td>Automotive Specialist</td>
<td>67</td>
</tr>
<tr>
<td>Automotive Technology</td>
<td>67</td>
</tr>
<tr>
<td>Biology</td>
<td>70</td>
</tr>
<tr>
<td>Business and Information Specialist</td>
<td>73</td>
</tr>
<tr>
<td>Business Assistant</td>
<td>72</td>
</tr>
<tr>
<td>Business Management</td>
<td>78</td>
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<tr>
<td>Business Technology</td>
<td>78</td>
</tr>
<tr>
<td>Chemistry</td>
<td>81</td>
</tr>
<tr>
<td>Commercial Truck Driving</td>
<td>81</td>
</tr>
<tr>
<td>Communications/Speech/Journalism</td>
<td>82</td>
</tr>
<tr>
<td>Computer Engineering Technology</td>
<td>82</td>
</tr>
<tr>
<td>Computer Numerical Control (CNC) Operator</td>
<td>147</td>
</tr>
<tr>
<td>Computer Numerical Control (CNC) Technician</td>
<td>148</td>
</tr>
<tr>
<td>Computer Programming and Software</td>
<td>83</td>
</tr>
<tr>
<td>Computer Science</td>
<td>83</td>
</tr>
<tr>
<td>Computer Software Specialist</td>
<td>87</td>
</tr>
<tr>
<td>Computer Support Technician</td>
<td>86</td>
</tr>
<tr>
<td>Construction Trades, General Apprenticeship</td>
<td>89</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>90</td>
</tr>
<tr>
<td>Criminology</td>
<td>90</td>
</tr>
<tr>
<td>Customer Service</td>
<td>74</td>
</tr>
<tr>
<td>Dental Assistant</td>
<td>93</td>
</tr>
<tr>
<td>Diesel Specialist</td>
<td>94</td>
</tr>
<tr>
<td>Diesel Technology</td>
<td>95</td>
</tr>
<tr>
<td>Early Childhood Development</td>
<td>97</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>98/99</td>
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<tr>
<td>Electrician Apprenticeship Technologies</td>
<td>102/109</td>
</tr>
<tr>
<td>Electronics Technician</td>
<td>106/105</td>
</tr>
<tr>
<td>Electronics Technology</td>
<td>108</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>109</td>
</tr>
<tr>
<td>Embedded Systems Engineering Technology</td>
<td>110</td>
</tr>
<tr>
<td>Emergency Medical Services</td>
<td>112</td>
</tr>
<tr>
<td>Emerging Media and Digital Arts</td>
<td>116</td>
</tr>
<tr>
<td>Employment Skills Training</td>
<td>118</td>
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<tr>
<td>Engineering</td>
<td>119</td>
</tr>
<tr>
<td>English/Literature</td>
<td>119</td>
</tr>
<tr>
<td>Environmental Sciences/Forestry</td>
<td>119</td>
</tr>
<tr>
<td>Exercise Specialist</td>
<td>120</td>
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<tr>
<td>Family Support Services</td>
<td>121</td>
</tr>
<tr>
<td>Fire Officer</td>
<td>122</td>
</tr>
<tr>
<td>Fire Prevention/Investigation</td>
<td>123</td>
</tr>
<tr>
<td>Fire Science</td>
<td>123</td>
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<tr>
<td>Firefighter</td>
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<tr>
<td>Program Description</td>
<td>1-year certificate</td>
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<td>-------------------------------------------------------------------------------------</td>
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<tr>
<td>Geology</td>
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<tr>
<td>Graphic Design</td>
<td>127</td>
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<tr>
<td>Health Care, Basic</td>
<td>69</td>
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<tr>
<td>Health Care Informatics</td>
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<tr>
<td>Health/Exercise Science/Physical Education</td>
<td></td>
</tr>
<tr>
<td>High Technology Studies</td>
<td>134 133</td>
</tr>
<tr>
<td>History</td>
<td></td>
</tr>
<tr>
<td>Human Services</td>
<td></td>
</tr>
<tr>
<td>Industrial Mechanics/Maintenance Technology Apprenticeship</td>
<td>140 139 138</td>
</tr>
<tr>
<td>Industrial Welding Technology</td>
<td>143 142 141</td>
</tr>
<tr>
<td>Information Technology/Health Informatics</td>
<td>144</td>
</tr>
<tr>
<td>Landscape Technician</td>
<td>145</td>
</tr>
<tr>
<td>Limited Electrician Apprenticeship Technologies</td>
<td>107</td>
</tr>
<tr>
<td>Manufacturing/Engineering Technology</td>
<td>147 148 146</td>
</tr>
<tr>
<td>Marketing</td>
<td>78</td>
</tr>
<tr>
<td>Massage Therapy</td>
<td>152 151</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Mechanical Maintenance Apprenticeship</td>
<td>140</td>
</tr>
<tr>
<td>Medical Administrative Assistant</td>
<td>153</td>
</tr>
<tr>
<td>Medical Assistant</td>
<td>154 155</td>
</tr>
<tr>
<td>Medical Coding Specialist</td>
<td>156</td>
</tr>
<tr>
<td>Microcontroller Systems Technician</td>
<td>157</td>
</tr>
<tr>
<td>Music</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>168 158</td>
</tr>
<tr>
<td>Occupational Skills Training</td>
<td>160</td>
</tr>
<tr>
<td>Occupational Therapy Assistant</td>
<td>161</td>
</tr>
<tr>
<td>Outdoor Adventure Leadership</td>
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</tr>
<tr>
<td>Paramedicine</td>
<td>165</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
<td>166</td>
</tr>
<tr>
<td>Phlebotomy</td>
<td>155</td>
</tr>
<tr>
<td>Physical Therapy Assistant</td>
<td></td>
</tr>
<tr>
<td>Phlebotomy</td>
<td>155</td>
</tr>
<tr>
<td>Physics</td>
<td></td>
</tr>
<tr>
<td>Plant Systems Technician</td>
<td>134</td>
</tr>
<tr>
<td>Population Health Management</td>
<td>168</td>
</tr>
<tr>
<td>Practical Nursing</td>
<td>168</td>
</tr>
<tr>
<td>Pre-dental Hygiene</td>
<td>169</td>
</tr>
<tr>
<td>Pre-medical Imaging</td>
<td>169</td>
</tr>
<tr>
<td>Pre-professional Medicine (Dentistry, Medicine, Optometry, Pharmacy, Veterinary)</td>
<td>170</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
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<tr>
<td>Renewable Energy Technician</td>
<td>170</td>
</tr>
<tr>
<td>Retail Sales</td>
<td>75</td>
</tr>
<tr>
<td>Small Business Management/Entrepreneurship</td>
<td>76 77</td>
</tr>
<tr>
<td>Sociology/Social Work</td>
<td>171</td>
</tr>
<tr>
<td>Software Engineering Technology</td>
<td>172</td>
</tr>
<tr>
<td>Sterile Processing Technician</td>
<td>173</td>
</tr>
<tr>
<td>Sustainability Leadership/Community Development</td>
<td>174</td>
</tr>
<tr>
<td>Web Development</td>
<td>175 174</td>
</tr>
<tr>
<td>Website Assistant</td>
<td>175</td>
</tr>
<tr>
<td>Website Design</td>
<td>130</td>
</tr>
<tr>
<td>Website Development</td>
<td>176</td>
</tr>
<tr>
<td>Welder’s Helper</td>
<td>143</td>
</tr>
</tbody>
</table>
About the Program
Alcohol and Drug Counselor is a four-term certificate program. It is designed for individuals who have completed a bachelor's degree and need further coursework to complete the educational requirements needed to become a Certified Alcohol and Drug Counselor (CADC). In addition to coursework, CADC certification requires 1,000 hours in the field and a passing score on the CADC exam. CADC status is a basic requirement for employment in the additions field. Because some courses are offered only once per year, students may not be able to complete all requirements in a calendar year.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes (www.bls.gov/soc/), graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students must have completed a bachelor's degree from a regionally accredited institution. Human Services is a limited-entry program requiring completion of an application that includes a writing sample and personal references. For more information on how to apply, including application deadlines, visit the Human Services website, www.roguecc.edu/humanservices. Students should be aware that certain prerequisites may apply for core course requirements.

Prospective students should be aware of entry requirements of human services agencies prior to considering human services as a career choice. Practicum placement may require passing a criminal history background check. The inability to pass this check may preclude completion of the program. Students in recovery seeking placement in substance abuse treatment programs may also be required to demonstrate two years' sobriety. More information is available from the Human Services Department.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Human Services Department coordinator's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Human Services Department advisor to determine placement.

Graduation Requirements
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Human Services Department coordinator's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Human Services Department advisor to determine placement.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS________</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH100 Fundamentals of Algebra I or BT160 Business Math or higher level math</td>
<td></td>
</tr>
<tr>
<td>P SY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I or higher level composition</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Prerequisite Credits</strong></td>
<td></td>
<td><strong>15-19</strong></td>
</tr>
</tbody>
</table>

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE208</td>
<td>HIV and Infectious Diseases</td>
<td>1</td>
</tr>
<tr>
<td>HS100</td>
<td>Introduction to Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HS115</td>
<td>Principles of Client Record Management</td>
<td>1</td>
</tr>
<tr>
<td>HS155</td>
<td>Interviewing Theory and Techniques</td>
<td>4</td>
</tr>
<tr>
<td>HS158</td>
<td>Trauma-informed Care: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>HS208</td>
<td>Co-occurring Disorders: Introductory Theory and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>HS170</td>
<td>Introduction to Practicum</td>
<td>3</td>
</tr>
<tr>
<td>HS175</td>
<td>Ethics for Counselors</td>
<td>1</td>
</tr>
<tr>
<td>HS202</td>
<td>Counseling the Chemically Dependent Client I</td>
<td>3</td>
</tr>
<tr>
<td>HS210</td>
<td>Motivational Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>HS200</td>
<td>Group Counseling</td>
<td>4</td>
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<tr>
<td>HS201G</td>
<td>Human Services Practicum and Seminar</td>
<td>7</td>
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<tr>
<td>PSY219</td>
<td>Introduction to Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY231</td>
<td>Human Sexuality or HS204 Counseling Chemically Dependent Client II or SOC230 Introduction to Gerontology or PSY228 Introduction to Positive Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
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</tbody>
</table>

**TOTAL PROGRAM CREDITS**

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>51-52</td>
</tr>
</tbody>
</table>

1. Required for graduation. May include additional classes based on placement test scores.
2. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
3. May be completed fall or spring term.
4. May be spread over second and third terms.
5. Requires prerequisites of PSY201 and PSY202.

For more information contact the Human Services Department:
Grants Pass or Medford .......................... 541-245-7504
Toll free in Oregon .............................. 800-411-6508, Ext. 7504
email ........................................ humanservices@roguecc.edu
Web address .................................. www.roguecc.edu/humanservices
TTY ........................................ Oregon Telecom Relay Service, 711

Architecture Interest
Associate of General Studies Degree
A total of 90 credits are required to complete the Associate of General Studies (AGS) degree. The courses listed below are only meant to serve as a guide of recommended choices within categories required in the AGS framework. See the AGS graduation guide for full degree requirements. The following list includes recommended courses for students who have an interest in architecture.

RCC strongly recommends that students consider transferring to the University of Oregon or Portland State University before their sophomore year. There are many architecture courses required of sophomore students that are offered only at the transfer institution. Students are encouraged to work closely with their RCC academic advisors and visit the transfer school of choice website for specific admission and academic major requirements.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
</tr>
<tr>
<td>ART204</td>
<td>Art History I</td>
<td>4</td>
</tr>
<tr>
<td>ART205</td>
<td>Art History II</td>
<td>4</td>
</tr>
<tr>
<td>ART206</td>
<td>Art History III</td>
<td>4</td>
</tr>
<tr>
<td>PH201*</td>
<td>General Physics I with lab and recitation</td>
<td>5</td>
</tr>
</tbody>
</table>
This course of study is designed to provide a foundation for students planning to transfer to private college of choice regarding specific prerequisites since requirements for an art major vary at each university.

Oregon public universities offering degrees in architecture:
- University of Oregon  www.uoregon.edu
- Portland State University  www.pdx.edu
- Oregon State University  www.oregonstate.edu
- Southern Oregon University  www.sou.edu
- Eastern Oregon University  www.eou.edu
- Western Oregon University  www.wou.edu

Notes:
- Oregon public universities offering degrees in this subject:
- University-recommended courses. Check with the specific transfer school for more details.
- Three courses required in the humanities category. Additional courses would count as electives.

Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree. The courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for an art major vary at each university.

About the Program
The Associate of Arts Oregon Transfer degree is a two-year program designed for students who intend to transfer to an Oregon university. Completion of the degree will satisfy lower division general education requirements and ensures junior standing at a university for registration purposes. Additionally, with careful planning, students may satisfy many of the lower division courses required in their academic majors.

Students should be aware, however, that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements of the school of their choice. Students are encouraged to work closely with their academic advisors to maximize the benefits of this degree.

The Joint Boards Articulation Committee and the Oregon Joint Boards of Education have approved certain general education outcomes for courses selected to fulfill AAOT degree requirements. All courses listed meet those identified outcomes. For more information see this catalog or visit www.roguecc.edu/Programs/LearningOutcomes.

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

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies. Discipline studies-approved coursework in humanities, social science, and science/math/computer science transferred from another Oregon community college will be accepted if students have a declared AAOT major at RCC and received a "C" or better grade in the course(s). College Now credit will be accepted in accordance with current agreement.
Graduation Requirements

Students must complete a minimum of 90 college-level credits with a minimum grade of “C” or better, including at least one course designated as meeting cultural literacy criteria.

Foundational Skills Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II or WR227 Technical Writing</td>
<td>4</td>
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</table>

Oral Communication (minimum one course required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>SP115</td>
<td>Intercultural Communication</td>
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<tr>
<td>SP218</td>
<td>Interpersonal Communication</td>
<td>4</td>
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</tbody>
</table>

Mathematics (minimum one course required; prerequisite: MTH95 or MTH96)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MTH105</td>
<td>Introduction to Contemporary Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH121</td>
<td>Elementary Functions</td>
<td>4</td>
</tr>
<tr>
<td>MTH211,212,213</td>
<td>Fundamentals of Elementary Math I, II, III</td>
<td>5-5-5</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
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<tr>
<td>MTH244</td>
<td>Inferential Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH251,252,253</td>
<td>Calculus I, II, III</td>
<td>5-5-5</td>
</tr>
<tr>
<td>MTH254</td>
<td>Vector Calculus</td>
<td>5</td>
</tr>
<tr>
<td>MTH256</td>
<td>Differential Equations</td>
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</tr>
<tr>
<td>MTH261</td>
<td>Linear Algebra</td>
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</table>

Fitness/Health/Physical Education (minimum one or more courses totaling at least 3 credits)

<table>
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<tr>
<th>Course No.</th>
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<tbody>
<tr>
<td>HE112</td>
<td>Emergency First Aid</td>
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<tr>
<td>HE199</td>
<td>Special Studies</td>
<td>1</td>
</tr>
<tr>
<td>HE208</td>
<td>HIV and Infectious Diseases</td>
<td>1</td>
</tr>
<tr>
<td>HE250</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>HE252</td>
<td>First Aid/CPR</td>
<td>3</td>
</tr>
<tr>
<td>HE253</td>
<td>Wilderness First Aid/CPR</td>
<td>3</td>
</tr>
<tr>
<td>HE259</td>
<td>Care and Prevention of Athletic Injury</td>
<td>3</td>
</tr>
<tr>
<td>HE261</td>
<td>CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPE295</td>
<td>Health and Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>PE185</td>
<td>Activity Courses</td>
<td>1-3</td>
</tr>
<tr>
<td>PE291</td>
<td>Life Guard Training</td>
<td>2</td>
</tr>
<tr>
<td>PE292</td>
<td>Water Safety Instructor</td>
<td>2</td>
</tr>
<tr>
<td>PE199</td>
<td>Special Studies</td>
<td>variable</td>
</tr>
</tbody>
</table>

Discipline Studies Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>COMM225</td>
<td>Small Group Communication</td>
<td>4</td>
</tr>
<tr>
<td>COMM237</td>
<td>Communication and Gender</td>
<td>4</td>
</tr>
<tr>
<td>COMM270</td>
<td>Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>ENG104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG204,205,206</td>
<td>Introduction to English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
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<tr>
<td>ENGL275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR211,212,213</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>IS110</td>
<td>Introduction to International Studies</td>
<td>4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS216,216,216,216,216</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHIL101,102,103</td>
<td>Philosophical Problems, Ethics, Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>5</td>
</tr>
<tr>
<td>SP115</td>
<td>Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>SP218</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>SP201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

Social Science Requirement (at least four courses from the following list chosen from at least two disciplines)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT110</td>
<td>Introduction to Cultural Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANT150</td>
<td>Introduction to Archaeology</td>
<td>4</td>
</tr>
<tr>
<td>CJ100</td>
<td>Foundations and Ethics in Criminal Justice</td>
<td>4</td>
</tr>
<tr>
<td>CJ214</td>
<td>Crime, Justice and Diversity</td>
<td>4</td>
</tr>
<tr>
<td>ECON201</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON202</td>
<td>Principles of Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>GEOG110</td>
<td>Introduction to Cultural/Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG120</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST104,105</td>
<td>History of World Civilization I, II</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HIST201,202</td>
<td>History of the United States I, II</td>
<td>4-4-4</td>
</tr>
<tr>
<td>PS201,202,203</td>
<td>U.S. Government I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PSY201,202</td>
<td>General Psychology I, II</td>
<td>4-4-4</td>
</tr>
<tr>
<td>PSY215</td>
<td>Life Span Human Development</td>
<td>4</td>
</tr>
<tr>
<td>PSY219</td>
<td>Introduction to Abnormal Psychology (not recommended for psychology majors)</td>
<td>4</td>
</tr>
<tr>
<td>SOC204,205</td>
<td>Introduction to Sociology, American Society</td>
<td>4-4-4</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC218</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC221/CJ201</td>
<td>Juvenile Delinquency</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
</tr>
<tr>
<td>SOC228</td>
<td>Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC235</td>
<td>The Chicano/Latino Historical Experience</td>
<td>4</td>
</tr>
<tr>
<td>SOC243/CJ243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>SOC244/CJ101</td>
<td>Introduction to Criminology</td>
<td>4</td>
</tr>
</tbody>
</table>

Science/Math/Computer Science Requirement (minimum four courses from the following list chosen from at least two disciplines, including at least three laboratory biological or physical science courses; note that only one of the four courses can be a regional field studies course indicated by asterisk)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab (non-majors)</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

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### Elective Requirements

Complete sufficient number of college-level (numbered 100 and above) courses to meet total degree requirement of at least 90 credits. It is recommended that electives be from the major area of interest. First-year foreign language courses may be used as elective credits.

Note: At the discretion of the department, a maximum of 12 Cooperative Work Experience (CWE) credits may be used toward this degree provided they have been approved within a program of study (a concentration of classes within a major or subject area). CWE is an advanced learning opportunity to acquire a broad education rather than pursuing a specific college major or program. The general studies degree may, in addition to general education coursework, include lower-division college transfer and career and technical education courses. Because of the flexibility of this degree, it may not fulfill requirements for transfer to a four-year institution.

A maximum of 12 career and technical course credits may be used toward this degree including any career and technical CWE courses.

**MINIMUM TOTAL PROGRAM CREDITS:** 90

1. **SP100** may not be accepted if students do not complete this degree before transferring to an Oregon university. See an advisor for more information.
2. Meets cultural literacy criteria (one course required).
3. **MTH105** and **MTH243** may not be accepted if students do not complete this degree before transferring to an Oregon university. Students should check with the university about possible additional math required for their degree.
4. 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of “C” or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete three terms of 200-level foreign language with a “C” or better or demonstrate a level of proficiency set forth by the four-year school.
5. May be taken if not used to fulfill oral communication foundational requirement.
6. May be taken if not used to fulfill mathematics foundational requirement.

### General Education Requirements

**Course No.** | **Course Title** | **Credits**
---|---|---
CS____ | Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency | 0-4
LIB127 | Introduction to Academic Research | 1
PSY101 | Psychology of Human Relations or BT101 Human Relations in Organizations | 3
SP100 | Basic Communication | 4
MTH105 | Introduction to Contemporary Math | 3-4
MTH111 | College Algebra | 4
MTH243 | Probability and Statistics | 4
PH210I | General Physics, I, II, III with lab and recitation | 5-5-5
PH211I | General Physics (Calculus Based I, II, III with lab and recitation) | 5-5-5
WR121 | English Composition | 4-5

**Total General Education Credits:** 15-21
**Core Requirements**

A minimum of 3 or 4 credits must be taken from each of the following categories with no more than 9 credits from any one category.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>—</td>
<td>Art/Humanities</td>
<td>3-9</td>
</tr>
<tr>
<td>—</td>
<td>Science/Computer Science (one lab science is required)</td>
<td>4-9</td>
</tr>
<tr>
<td>—</td>
<td>Social Science</td>
<td>3-9</td>
</tr>
<tr>
<td>—</td>
<td>Physical Education/Health</td>
<td>3-9</td>
</tr>
</tbody>
</table>

**Minimum Total Required Core Credits**

18

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Automotive Technology Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policies and the department chair’s approval.

**Graduation Requirements**

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH200</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or BT101 Human Relations in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid or HE261 CPR or HE252 First Aid/CPR</td>
<td>1-3</td>
</tr>
</tbody>
</table>

**Technical Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM122</td>
<td>Gasoline Engines Rebuild</td>
<td>7</td>
</tr>
<tr>
<td>AM120</td>
<td>Automotive Maintenance and Trades Practices</td>
<td>6</td>
</tr>
<tr>
<td>AM111</td>
<td>Electricity for Automotive Technicians</td>
<td>7</td>
</tr>
<tr>
<td>AM131</td>
<td>Engine Dynamics and Diagnosis</td>
<td>2</td>
</tr>
<tr>
<td>AM141</td>
<td>Manual Transmissions and Axles</td>
<td>6</td>
</tr>
<tr>
<td>AM151</td>
<td>Automotive Brake Systems</td>
<td>6</td>
</tr>
<tr>
<td>AM190</td>
<td>Automotive Repair Lab I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Technical Credits**

43

**Total Program Credits**

55-61

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1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

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**About the Program**

The Automotive Specialist four-term certificate program is designed for students who wish to acquire basic technical training to enter minor automotive industry positions. Students who desire more in-depth industry training as automotive technicians and/or Automotive Service Excellence (ASE) training at all levels should enroll in the Associate of Applied Science degree program.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.
About the Program
The Automotive Technology two-year degree program is designed for students seeking a career in today's automotive service industry. The program builds rapidly from fundamentals and theory into diagnosis and repair of today's modern automobiles based upon Automotive Service Excellence (ASE) standards.

The design of the program places heavy emphasis upon actual hands-on work in the automotive labs. Approximately two-thirds of the time spent in the program is in a lab (shop) environment where the student applies theory to diagnosis and repair of a wide variety of domestic and import automobiles. As the level of student skill develops, so does the difficulty of the repairs performed.

If students intend to transfer to Oregon Tech's Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information, or visit http://www.oit.edu/academics/academic-agreements/articulations.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by the placement test scores. In addition, students may also be required to enroll in classes that would increase their employability and success. Students must also meet certain program requirements in the first and third terms, and complete any prerequisites before advancing in the program.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification and industry experience may be substituted for some coursework in accordance with college policy and the department chair's approval.

Graduation Requirements
Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH28</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Prerequisite Credits</strong></td>
<td><strong>0-11</strong></td>
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General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CS___</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH653</td>
<td>Applied Algebra I or</td>
<td>4</td>
</tr>
<tr>
<td>MTH660</td>
<td>Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid or</td>
<td>1</td>
</tr>
<tr>
<td>HE261</td>
<td>CPR</td>
<td>1</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>SPI01</td>
<td>Basic Communication or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or SP111 Fundamentals of Public Speaking or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or SP218 Interpersonal Communication or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or WR122 English Composition II</td>
<td>1-4</td>
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</table>

Total General Education Credits: 16-21

First Year Technical Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM122</td>
<td>Gasoline Engines Rebuild</td>
<td>7</td>
</tr>
<tr>
<td>AM120</td>
<td>Automotive Maintenance and Trades Practices</td>
<td>6</td>
</tr>
<tr>
<td>AM111</td>
<td>Electricity for Automotive Technicians</td>
<td>7</td>
</tr>
<tr>
<td>AM131</td>
<td>Engine Dynamics and Diagnosis</td>
<td>2</td>
</tr>
<tr>
<td>AM141</td>
<td>Manual Transmissions and Transaxes</td>
<td>6</td>
</tr>
<tr>
<td>AM151</td>
<td>Automotive Brake Systems</td>
<td>6</td>
</tr>
<tr>
<td>AM190</td>
<td>Automotive Repair Lab I</td>
<td>4</td>
</tr>
<tr>
<td>AM270</td>
<td>Air Conditioning for Automotive Technicians</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9</td>
</tr>
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</table>

Total First Year Credits: 48

Second Year Technical Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM160</td>
<td>Automotive Suspension and Steering Systems</td>
<td>6</td>
</tr>
<tr>
<td>AM232</td>
<td>Computedized Engine Management Systems</td>
<td>2</td>
</tr>
<tr>
<td>AM233</td>
<td>Advanced Automotive Computer Systems</td>
<td>7</td>
</tr>
<tr>
<td>AM242</td>
<td>Automatic Transmissions and Transaxes</td>
<td>2</td>
</tr>
<tr>
<td>AM210</td>
<td>Mechanical Careers Development or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BA109 Ready, Set, Work: Techniques for Landing a Job</td>
<td>2-3</td>
</tr>
<tr>
<td>AM252</td>
<td>Advanced Diagnostic Lab</td>
<td>4</td>
</tr>
<tr>
<td>AM280</td>
<td>Cooperative Work Experience/Automotive or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AM290 Automotive Repair Lab II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10-11</td>
</tr>
</tbody>
</table>
About the Program
The Basic Health Care two- to three-term certificate prepares students for work in entry-level positions in the health care industry. Students gain knowledge and skills pertinent to work in the medical industry and are provided a basis of preparation to pursue further training and employment in allied health care fields and beyond. This certificate is unique in that it provides a diverse range of electives allowing students to select from a variety of specialty tracks that guide them toward completion of an additional certificate or degree program.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

Additionally, the program provides support to health care employers through professional development for support workers in academic, personal effectiveness, workplace, and industry-wide technical health care competencies. The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to place into a specific level of English and Math. Placement is based on placement tests scores or successful completion of prerequisite coursework. Students must begin with courses within their skill levels before progressing to higher level courses. Students who are enrolled in the Basic Health Care certificate are not given advanced placement into limited-entry programs described in the specialty tracks. Some tracks have limits and restrictions that could impede placement.

Advanced Standing
Coursework from accredited universities will be accepted in accordance with college policies and the program coordinator’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the program coordinator before being accepted toward core requirements. Each College Now credit student must meet with the coordinator to determine placement.

Graduation Requirements
Students completing the required credits in this program with a grade of “C” or better will receive their certificates. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 0-12

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems</td>
<td>3</td>
</tr>
<tr>
<td>CG155</td>
<td>Exploring Careers in Health Care or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY101 Psychology of Human Relations or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or BT101 Human Relations in Organizations</td>
<td></td>
</tr>
<tr>
<td>CS ___</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td>or documented computer proficiency</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HCC120 Introduction to Health Care Industry 2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HEC261 CPR or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or HE112 Emergency First Aid or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or HE250 Personal Health or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or HE252 First Aid/CPR or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or HPE295 Health and Fitness for Life or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or PSY215 Life Span Human Development</td>
<td></td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or</td>
<td>1-4</td>
</tr>
<tr>
<td>WR115</td>
<td>MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Introduction to Expository Writing or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or BT113 Business English I or higher level composition</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>or Approved specialty track electives</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 26-38

Specialty Track Electives
(6-10 credits required)
Electives have been organized into tracks that will lead toward additional certifications or degrees. Any combination of 6-10 credits from the courses listed below will meet program requirements. Additional coursework is required beyond Basic Health Care certificate courses to complete expanded certificate or degree programs. Some specialty tracks listed require admission through a limited-entry application process that could restrict student accessibility.

Community Health Worker (6 credits)
HCC100 Community Health Worker 6

Dental Assisting (Choose 8-9 credits)
R2111 General Biology I with lab 4
CHEM104 Introductory Chemistry I with lab and recitation 5
SP111 Fundamentals of Public Speaking 4

EMT/Paramedic 1 (10 credits)
ES331, ES331L Emergency Medical Technician Part I and Lab 4-1
ES332, ES332L Emergency Medical Technician Part II and Lab 4-1

Exercise Specialist 1 (8 credits)
NFM225 Nutrition 4
SOC230 Introduction to Genetics or PSY215 Life Span Human Development (if not taken as part of core) 4

Health Care Informatics (6 credits)
HCC110 Legal Aspects of Medical Records 3
HCC155 Introduction to Health Care Informatics 3

Human Services (Choose 7-8 credits)
CJ243/SOC243 Drugs, Crime and Addiction 4
HIS158 Trauma-informed Care: Theory and Practice 3

TOTAL PROGRAM CREDITS 101-107

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM199</td>
<td>Selected Topic Workshop</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td>Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement. Students with documented proficiency for CS120 must still take GS104, PH201 or other approved science elective.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Can be taken anytime during the program with permission of advisor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Students must be making progress in completing general education requirements prior to entry into the second year.</td>
<td></td>
</tr>
</tbody>
</table>

For more information contact the Automotive Technology Department:
Grants Pass or Medford ........................................ 541-956-7140
Toll free in Oregon ........................................... 800-411-6508, Ext. 7140
email ............................................................... automotive@roguecc.edu
Web address ..................................................... www.roguecc.edu/Automotive
TTY ................................................................. Oregon Telecom Relay Service, 711

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### Massage Therapy 1, 4 (Choose 6-10 credits)
- BI121 Elementary Anatomy and Physiology I with lab (if not taken as part of core)  4
- MT100 Massage I – Basic Swedish  4
- MT110 Asian Bodywork I  4
- NF225 Nutrition  4

### Medical Administrative Assistant (Choose 6-10 credits)
- CG144 Introduction to Assertiveness  1
- EMS165 Introduction to Pharmacology for Health Occupations  2
- HCl120 Introduction to the Health Care Industry  3
- SPAN101/102/103 First Year Spanish I, II, III  4-4-4

### Medical Assistant (Choose 6-10 credits)
- AH110 Medical Terminology: Clinical  3
- BI111 Conflict Management  2
- CG144 Introduction to Assertiveness  1
- CG155 Exploring Careers in Health Care (if not taken as part of core)  3
- SP100 Basic Communication  3
- WR185 Understanding English Grammar  2

### Medical Coding Specialist (Choose 7-10 credits)
- CG155 Exploring Careers in Health Care (if not taken as part of core)  3
- CS125ss Spreadsheet Applications  4
- SOC213 Race and Ethnicity in the U.S.  4
- SPAN101/102/103 First Year Spanish I, II, III  4-4-4

### Nursing 1 (Choose 8 credits)
- BI211 General Biology I with lab  4
- NF225 Nutrition  4
- PSY201 General Psychology I  4
- SP111 Fundamentals of Public Speaking  4

### Pharmacy Technician (Choose 6-10 credits)
- CG144 Introduction to Assertiveness  1
- CG155 Exploring Careers in Health Care (if not taken as part of core)  3
- SPAN101/102/103 First Year Spanish I, II, III  4-4-4
- WR185 Understanding English Grammar  2

### Sterile Processing Technician (7-8 credits)
- BI234 Microbiology with lab  4
- CG155 Exploring Careers in Health Care (if not taken as part of core)  3
- SPAN101/102/103 First Year Spanish I, II, III  4-4-4

1 Some programs require higher-level anatomy and physiology coursework (BI121/BI122 or BI231/ BI232/BI233). See specific program graduation guides for details. Students who have completed either BI121 and BI122 or BI231, BI232 and BI233 (the entire sequence of either series) with an equivalent “C” or better grade do not need to take BI100SB.
2 Corequisite: WR115.
3 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
4 Massage courses are available only with instructor approval and are limited in availability.

### Biology Interest

#### Associate of Arts Oregon Transfer Degree
A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a biology major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI211</td>
<td>General Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI212</td>
<td>General Biology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI213</td>
<td>General Biology III with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM221</td>
<td>General Chemistry I with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM222</td>
<td>General Chemistry II with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM223</td>
<td>General Chemistry III with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>PH201</td>
<td>General Physics I with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>PH202</td>
<td>General Physics II with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>PH203</td>
<td>General Physics III with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Note: Four courses required in the science/math category, additional courses would count as electives.

### Oregon public universities offering degrees in this subject:
- Eastern Oregon University  www.eou.edu
- Southern Oregon University  www.sou.edu
- Portland State University  www.pdx.edu
- Oregon State University  www.oregonstate.edu
- University of Oregon  www.uoregon.edu
- Western Oregon University  www.wou.edu
- Oregon Institute of Technology  www.oit.edu

### Business

#### Associate of Science Oregon Transfer Degree

### About the Program
The statewide Associate of Science Oregon Transfer degree in Business is designed for students transferring to baccalaureate degree programs as business majors. Those completing the ASOT-Business degree are assured junior level standing for registration purposes and will have met the lower division general education requirements of any institution in the Oregon University System (OUS). Students should be aware that if they transfer before completing this degree, courses will be evaluated individually toward the general education requirements of the college of their choice.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

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

Graduation Requirements
Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade of “C” or better.

General Requirements 27-30

Course No.  Course Title  Credits

Writing Skills (two courses required)  8

Students who took writing classes of 3 credits each must have WR121, WR122 and either WR123 or WR227. Students taking classes of 4 credits each must take WR121 and either WR122 or WR227.

WR121  English Composition I  4
WR122  English Composition II or WR227 Technical Writing  4

Oral Communication (one course required)  3-4

SP100  Basic Communication 1  3
SP111  Fundamentals of Public Speaking  4
SP115  Intercultural Communication 2  4
SP218  Interpersonal Communication  4

Mathematics (three courses required)  12-14

MTH243  Probability and Statistics  4

Plus two additional math courses from the following list:

MTH111  College Algebra  4
MTH112  Elementary Functions  4
MTH211,212,213  Fundamentals of Elementary Math I, II, III  5-5-5
MTH244  Inferential Statistics  4
MTH251  Calculus I (Differential)  5
MTH252  Calculus II (Integral)  5
MTH253  Calculus III  5
MTH254  Vector Calculus  5
MTH256  Differential Equations  5
MTH261  Linear Algebra  5

Computer Applications  4

BA131  Introduction to Business Computing  4

Distribution Requirements 38-48

Course No.  Course Title  Credits

Humanities 3  9-12

Choose three courses from at least two disciplines/prefixes. Courses must be at least 3 credits each and exclude first-year foreign language courses; second-year foreign language is acceptable (see catalog for approved list of humanities electives).

Social Science  14-16

Complete four courses from the following list:

ECON201  Principles of Microeconomics  4
ECON202  Principles of Macroeconomics  4

— Approved social science elective (see catalog for approved list of social science electives)  6-8

Science  15-20

Complete four courses from at least two disciplines/prefixes, three of which must be lab courses.

BI100GB  Introductory Biology without lab  3
BI100SB  Biology of Human Body Systems without lab  3
BI101,102,103  Introduction to Biology I, II, III with lab  4-4-4

BI121,122  Elementary Anatomy and Physiology I, II with lab  4-4
BI211,212,213  General Biology I, II, III with lab  4-4-4
BI231,232,233  Anatomy and Physiology I, II, III with lab  4-4-4
BI234  Microbiology with lab  4
CHEM104,105,106  Introductory Chemistry I, II, III with lab and recitation  5-5-5
CHEM221,222,223  General Chemistry I, II, III with lab and recitation  5-5-5
G100  Fundamentals of Geology without lab  3
G101,102,103  Introduction to Geology with lab  4-4-4
GS104  Physical Science with lab  4
GS105  Physical Science: Chemistry with lab  4
GS106  Physical Science: Earth Science with lab  4
GS107  Physical Science: Astronomy with lab  4
GS108  Physical Science: Oceanography with lab  4
PH201,202,203  General Physics, I, II, III with lab and recitation  5-5-5
PH211,212,213  General Physics (Calculus Based) I, II, III with lab and recitation  5-5-5

Business-specific Requirements 16

BA101  Introduction to Business  4
BA211  Financial Accounting  4
BA213  Managerial Accounting  4
BA226  Business Law  4

Electives  0-9

Complete a sufficient number of college-level (numbered 100 and above) courses to meet the total degree requirement of at least 90 credits. Although a maximum of 12 career and technical course credits may be transferred to a four-year institution, a maximum of 6 career and technical credits may be used toward this degree.

Some OUS business schools require two terms of statistics and two terms of calculus prior to being accepted into their programs. It is recommended that students contact the specific OUS business school or program early in the first year of their ASOT-Business program to be advised about additional requirements and procedures for admission to the school or program.

TOTAL PROGRAM CREDITS 90-103

1 SP100 may not be accepted if students do not complete this degree before transferring to an Oregon university.

2 Meets cultural literacy criteria (one course required). See catalog for additional courses that meet the criteria.

3 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 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 foreign language regardless of when they graduated from high school or equivalency program.

4 Students who have completed BA101 as a 3 credit course have met this requirement.

For more information contact the Business Technology Department:

Grants Pass ................................................................. 541-956-7066
Medford ................................................................. 541-245-7527
Toll free in Oregon ........................................ 800-411-6508, Ext. 7066 or Ext. 7527
email ................................................................. rwcbusiness@roguecc.edu or rwcbusiness@roguecc.edu
Web address ................................................................. www.roguecc.edu/business
TTY ................................................................. Oregon Telecom Relay Service, 711

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About the Program
The Business Assistant three-term certificate program is designed to prepare students for entry-level positions in bookkeeping and small business fields (Accounting Assistant Specialty), administrative fields (Administrative Support Specialty), or supervisory management fields (Assistant Manager Specialty).

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework. College Now credit will be accepted in accordance with the current articulation agreement.

Credits earned in the successful completion of this program can be applied to other certificates and degrees in the career pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements
Students completing all courses in this program with a grade of “C” or better will earn a Business Assistant certificate. Certain prerequisite courses are graded on a pass/no pass basis only; A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA130</td>
<td>Concepts in Computing I or documented proficiency</td>
<td>0-2</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Required Core Credits 0-14

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA109</td>
<td>Ready Set, Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>BA131</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BA218</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I 1</td>
<td>4</td>
</tr>
<tr>
<td>BT114</td>
<td>Business English II 2</td>
<td>4</td>
</tr>
<tr>
<td>BT351</td>
<td>Practical Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BT160</td>
<td>Business Math</td>
<td>4</td>
</tr>
<tr>
<td>BT178</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>BA285</td>
<td>Advanced Business Applications: Excel 3</td>
<td>4</td>
</tr>
</tbody>
</table>

CS125w      | Word Processing Applications (Word)               | 3       |
| LIB127     | Introduction to Academic Research                 | 1       |

Total Required Core Credits 39

Students enrolled in the Business Assistant program must select one of the following specialties:

Accounting Assistant Specialty Track

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA177</td>
<td>Payroll and Tax</td>
<td>3</td>
</tr>
<tr>
<td>BA228</td>
<td>Computer Accounting Applications</td>
<td>2</td>
</tr>
<tr>
<td>BT161</td>
<td>Practical Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>BT171</td>
<td>Practical Accounting III</td>
<td>4</td>
</tr>
</tbody>
</table>

Administrative Support Specialty Track

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA214</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>BT115</td>
<td>Editing and Proofreading</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>2-4</td>
</tr>
</tbody>
</table>

Assistant Manager Specialty Track

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA226</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>2-4</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 50-54

Approved Program Electives
(2-4 credits required for both the Administrative Support Specialty and the Assistant Manager Specialty)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business (if not taken as part of Assistant Manager Specialty)</td>
<td>4</td>
</tr>
<tr>
<td>BA180</td>
<td>Cooperative Work Experience/Business</td>
<td>1-4</td>
</tr>
<tr>
<td>BA199</td>
<td>Special Studies in Business</td>
<td>variable</td>
</tr>
<tr>
<td>BA206</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BA211</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA213</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA226</td>
<td>Business Law (if not taken as part of Assistant Manager Specialty)</td>
<td>4</td>
</tr>
<tr>
<td>BA228</td>
<td>Computer Accounting (if not taken as part of Accounting Assistant Specialty)</td>
<td>2</td>
</tr>
<tr>
<td>BA243</td>
<td>Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA249</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision (if not taken as part of Assistant Manager Specialty)</td>
<td>3</td>
</tr>
<tr>
<td>BT105</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BT106</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BT111</td>
<td>Conflict Management (if not taken as part of Admin Support Specialty)</td>
<td>2</td>
</tr>
<tr>
<td>BT121</td>
<td>Digital Marketing and e-Commerce</td>
<td>4</td>
</tr>
<tr>
<td>BT165</td>
<td>Writing a Business Plan</td>
<td>2</td>
</tr>
<tr>
<td>BT178</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>BT250</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Any CS125 application class (except those taken to fulfill core or specialty requirements)</td>
<td>1-4</td>
</tr>
<tr>
<td>ECON115</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
<tr>
<td>——</td>
<td>Any foreign language</td>
<td>4</td>
</tr>
</tbody>
</table>
Business Assistant: Business and Information Specialist
Career Pathways Certificate

About the Program
The Business and Information Specialist Career Pathways two- to three-term certificate prepares students for entry-level office positions requiring “soft skills” in dealing with clients, customers, vendors and the public, as well as filing, records management, computer applications, and basic written communication duties. Courses included in this pathway can be applied toward completion of the one-year Business Assistant certificate and the Associate of Applied Science in Business Technology degree. Alternate general education classes are available for those students who want to pursue a degree in Computer Science (see note 1).

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework. High school College Now credit will be accepted in accordance with the current articulation agreement. Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Completion Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA130</td>
<td>Introduction to Business Computing</td>
<td>0.5</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>Total Prerequisite Credits</td>
<td></td>
<td>0-14</td>
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</table>

Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA131</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I 1, 2</td>
<td>4</td>
</tr>
<tr>
<td>BT114</td>
<td>Business English II 1, 2</td>
<td>4</td>
</tr>
</tbody>
</table>
B115  Editing and Proofreading  3
B160  Business Math  4
B178  Customer Service  3
B285  Advanced Business Applications: Excel  4
CS125  Word Processing Application  2

TOTAL PROGRAM CREDITS 32

1 Students who want to pursue a degree in Computer Science should take the following classes: CS120 in place of BA131; PSY101 in place of BT101; WR115 in place of BT113; WR121 in place of BT114; MTH60 (or higher) in place of BT160; CS125w in place of BA285.
2 Students who have successfully completed the 3-credit versions of BT113 and BT114 will have met this requirement.
3 Students who have previously taken CS125SS Spreadsheet Applications, 3 cr., will have met the requirement, but still need at least 32 applicable credits to receive this degree.

For more information contact the Business Technology Department:
Grants Pass ................................................. 541-956-7066
Medford .......................................................... 541-245-7527
Toll free in Oregon ................................. 800-411-6508, Ext. 7066 or Ext. 7527
email ............................................................... wcbusiness@roguecc.edu or rvcbusiness@roguecc.edu
Web address ............................................. www.roguecc.edu/business
TTY .......................................................... Oregon Telecom Relay Service, 711

Business Assistant: Customer Service Career Pathways Certificate

About the Program
The Customer Service Career Pathways two- to three-term certificate prepares students for entry-level customer service positions in a variety of fields where the ability to effectively deal with the public is required. Courses included in this pathway can be applied toward completion of the one-year Business Assistant certificate and the Associate of Applied Science in Business Technology degree.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.
The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may be also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework. High school College Now credit will be accepted in accordance with the current articulation agreement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Course No.  Course Title  Credits
BA130  Concepts in Computing I or documented proficiency  0-2
MTH20  Pre-algebra or designated placement test score  0-4
RD30  College Reading or designated placement test score  0-4
WR30  Fundamentals of Composition II or designated placement test score  0-4

Total Prerequisite Credits 0-14

Required Core Courses
Course No.  Course Title  Credits
BA101  Introduction to Business  1  4
BA131  Introduction to Business Computing  1  4
BT101  Human Relations in Organizations  1  3

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/

Completion Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites
Course No.  Course Title  Credits
BA130  Concepts in Computing I or documented proficiency  0-2
MTH20  Pre-algebra or designated placement test score  0-4
RD30  College Reading or designated placement test score  0-4
WR30  Fundamentals of Composition II or designated placement test score  0-4

Total Prerequisite Credits 0-14

Required Core Courses
Course No.  Course Title  Credits
BA101  Introduction to Business  1  4
BA131  Introduction to Business Computing  1  4
BT101  Human Relations in Organizations  1  3
### Business Assistant: Retail Sales and Service Career Pathways Certificate

#### About the Program
The Retail Sales and Service Career Pathways two- to three-term certificate prepares students for entry-level positions in the field of retailing, sales, and merchandising. Courses included in this pathway can be applied toward completion of the one-year Business Assistant certificate and the Associate of Applied Science in Business Technology degree.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

#### Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

#### Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework. High school College Now credit will be accepted in accordance with the current articulation agreement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

#### Customer Service — Career Pathways Certificate (29 credits)
- Cashier 1
- Customer service representative 1

#### TOTAL PROGRAM CREDITS 29

1 Students who have completed BA101 as a 3 credit course have met this requirement.
2 Students who have successfully completed the 3-credit versions of BT113 and BT114 have met this requirement.

For more information contact the Business Technology Department:
Grants Pass .......................................................... 541-956-7066
Medford ............................................................... 541-245-7527
Toll free in Oregon .............................................. 800-411-6508, Ext. 7066 or Ext. 7527
e-mail ................................................................. rvcbusiness@roguecc.edu or rvcbusiness@roguecc.edu
Web address ......................................................... www.roguecc.edu/business
TTY ................................................................. Oregon Telecom Relay Service, 711 TTY

---

### Retail Sales and Service — Career Pathways Certificate (28 credits)
- Counter and rental clerk 1
- Retail salesperson 1
- Stock clerk and order filler 1

### Business and Information Specialist — Career Pathways Certificate (32 credits)
- Call center operator 1
- File clerk 1
- General office clerk 1
- Office machine operator 1
- Receptionist and information clerk 1

### Small Business Management — Career Pathways Certificate (42 credits)
- Small business manager 1
- Retail sales supervisor 1

### Business Assistant, Certificate of Completion (30-54 credits), Assistant Manager Specialty Track
- Supervisor 1
- Retail manager 1
- Assistant manager 1

### Administrative Support Specialty Track
- Human resources assistant 1
- Office and Administrative support worker 1
- Secretary 1
- Telemarketer 1

### Accounting Assistant Specialty Track
- Accountant/bookkeeper 1
- Payroll and time keeper clerk 1

### Business Technology, Associate of Applied Science (AAS) (91-95 credits)
- Department manager 1
- Office manager 1

---

For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways.

#### Completion Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

#### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAI30</td>
<td>Concepts in Computing I or documented proficiency</td>
<td>0-2</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
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</table>

**Total Prerequisite Credits:** 0-14

#### Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAI31</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BA223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA249</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I 1</td>
<td>4</td>
</tr>
<tr>
<td>BT114</td>
<td>Business English II 1</td>
<td>4</td>
</tr>
<tr>
<td>BT160</td>
<td>Business Math</td>
<td>4</td>
</tr>
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</table>

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For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways.
Business Assistant: Small Business Management Career Pathways Certificate

About the Program
The Small Business Management Career Pathways three-term certificate is designed for those individuals who are considering owning and operating their own business. This includes, but is not limited to, business majors, students who want to build on skills already learned in the workplace, community members, and students enrolled in other technical programs. Courses included in this pathway can be applied toward completion of the one-year Business Assistant certificate and the Associate of Applied Science in Business Technology degree.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Business Technology Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework. High school College Now credit will be accepted in accordance with the current articulation agreement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Customer Service — Career Pathways Certificate (29 credits)
• Cashier 1
• Customer service representative 1

Retail Sales and Service — Career Pathways Certificate (28 credits)
• Counter and rental clerk 1
• Retail salesperson 1
• Stock clerk and order filler 1

TOTAL REQUIRED CREDITS 28

1 Students who have successfully completed the 3-credit versions of BT113 and BT114 have met this requirement.

For more information contact the Business Technology Department:
Grants Pass .......................................................... 541-956-7066
Medford .......................................................... 541-245-7527
Toll free in Oregon .................................................. 800-411-6508, Ext. 7066 or Ext. 7527
email .......................................................... rocbusiness@roguecc.edu or rvcbusiness@roguecc.edu
Web address .......................................................... www.roguecc.edu/business
TTY .......................................................... Oregon Telecom Relay Service, 711

Business and Information Specialist — Career Pathways Certificate (32 credits)
• Call center operator 1
• File clerk 1
• General office clerk 1
• Office machine operator 1
• Receptionist and information clerk 1

Small Business Management — Career Pathways Certificate (42 credits)
• Small business manager 1
• Retail sales supervisor 1

Business Technology, Associate of Applied Science (AAS) (91-95 credits)
• Department manager 1
• Office manager 1

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/

Completion Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA130</td>
<td>Concepts in Computing I or documented proficiency</td>
<td>0-2</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Prerequisite Credits</strong></td>
<td><strong>0-14</strong></td>
</tr>
</tbody>
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Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business 1</td>
<td>4</td>
</tr>
<tr>
<td>BA131</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BA223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA226</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations 3</td>
<td>3</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BA206 Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I 2</td>
<td>4</td>
</tr>
<tr>
<td>BT114</td>
<td>Business English II 2</td>
<td>4</td>
</tr>
<tr>
<td>BT151</td>
<td>Practical Accounting 1</td>
<td>4</td>
</tr>
<tr>
<td>BT160</td>
<td>Business Math</td>
<td>4</td>
</tr>
<tr>
<td>BT165</td>
<td>Writing a Business Plan</td>
<td>2</td>
</tr>
<tr>
<td>BT250</td>
<td>Entrepreneurship 1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL PROGRAM CREDITS</strong></td>
<td><strong>42</strong></td>
</tr>
</tbody>
</table>
### Business Management — Entrepreneurship/Small Business Management
Transfer to Oregon Tech
Associate of Science Degree

**About the Program**
The Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech. Students transferring to its baccalaureate degree program in Management — Entrepreneurship/Small Business Management are guaranteed junior standing in the program. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 45 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to Oregon Tech. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

If students transfer before completing this degree or transfer in a major not covered by prior agreements, students will fulfill required lower division coursework for transfer to Oregon Tech. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**
Students are required to take a placement test to determine skill level and readiness in math, reading and writing. 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.

**Advanced Standing**
Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

**Graduation Requirements**
The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA131</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BA177</td>
<td>Payroll and Tax Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BA206</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BA211</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA213</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA224</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BA226</td>
<td>Business Law</td>
<td>4</td>
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<tr>
<td>BA285</td>
<td>Advanced Business Applications: Excel</td>
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<tr>
<td>CSI253b</td>
<td>Data Base Management Systems</td>
<td>3</td>
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<tr>
<td>ECON201</td>
<td>Microeconomics</td>
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<tr>
<td>ECON202</td>
<td>Macroeconomics</td>
<td>4</td>
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</tbody>
</table>

**Total Core Credits**
47

**TOTAL PROGRAM CREDITS**
94-97

1. Students who have completed BA101 as a 3 credit course have met this requirement.

2. Students who have successfully completed the 3-credit versions of BT113 and BT114 have met this requirement.

For more information contact the Business Technology Department:
Grants Pass .......................................................... 541-956-7066
Medford ............................................................... 541-245-7527
Toll free in Oregon ............................................... 800-411-6508, Ext. 7066 or Ext. 7527
email ................................................................. rwcbusiness@roguecc.edu or rvcbusiness@roguecc.edu
Web address .......................................................... www.roguecc.edu/business
TTY ................................................................. Oregon Telecom Relay Service, 711

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA130</td>
<td>Concepts in Computing I or documented proficiency</td>
<td>0-2</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits**
0-13

**Core Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA214</td>
<td>Business Communications or SP115 Introduction to Intercultural Communication or SP218 Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics with lab</td>
<td>4</td>
</tr>
<tr>
<td>MTH244</td>
<td>Inferential Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Approved humanities electives</td>
<td>6-8</td>
</tr>
<tr>
<td></td>
<td>Approved lab science elective</td>
<td>4-5</td>
</tr>
</tbody>
</table>

**Total General Education Credits**
47-50

1. Required for graduation.

2. The 3-credit version of any speech or humanities course taken prior to 2009 will meet the same degree requirements as the current 4-credit version. Students must still complete all required courses in this degree and at least 90 applicable credits to receive an associate degree.

3. Approved Humanities Electives

3. The 3-credit version of any speech or humanities course taken prior to 2009 will meet the same degree requirements as the current 4-credit version. Students must still complete all required courses in this degree and at least 90 applicable credits to receive an associate degree.

### Approved Humanities Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART115,116</td>
<td>Basic Design</td>
<td>3-3</td>
</tr>
<tr>
<td>ART131,132,133</td>
<td>Introduction to Drawing</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ART234,235,236</td>
<td>Figure Drawing I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART237,238,239</td>
<td>Illustration</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART281,282,283</td>
<td>Painting I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>EN104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>EN107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>EN201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>
Course No. Course Title Credits
B101,102,103 Introduction to Biology I, II, III with lab 4-4-4
B121,122 Elementary Anatomy and Physiology I, II with lab 4-4-4
B121,212,213 General Biology I, II, III with lab 4-4-4
B123,232,233 Anatomy and Physiology I, II, III with lab 4-4-4
B124 Microbiology with lab 4
B1272 Introduction to Ecology with lab 4
G101,102,103 Introduction to Geology I, II, III with lab 4-4-4
G104 Physical Science with lab 4
G105 Physical Science: Chemistry with lab 4
G106 Physical Science: Earth Science with lab 4
G107 Physical Science: Astronomy with lab 4
G108 Physical Science: Oceanography with lab 4
PH201,202,203 General Physics I, II, III with lab and recitation 5-5-5
PH211,212,213 General Physics (Calculus Based) I, II, III with lab and recitation 5-5-5

Students who have previously taken CS1255S Spreadsheet Applications, 3 cr., will have met the requirement, but still need at least 94 applicable credits to receive this degree.

Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of “C” or better (may be five-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Business Technology Department:
Grants Pass .................................................. 541-956-7066
Medford ....................................................... 541-245-7527
Toll free in Oregon ................................. 800-411-6508, Ext. 7066 or 7527
email ........................................... rwcbusiness@roguecc.edu or rwcbusiness@roguecc.edu
Web address ........................................ www.roguecc.edu/business
TTY ........................................... Oregon Telecom Relay Service, 711
### TOTAL BUSINESS TECHNOLOGY PROGRAM CREDITS 91-95

#### Required Courses – Accounting Option

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA177</td>
<td>Payroll and Tax Procedures</td>
<td>3</td>
</tr>
<tr>
<td>BA199</td>
<td>Special Studies in Business</td>
<td>variable</td>
</tr>
<tr>
<td>BA206</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BA211</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA213</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA224</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BA228</td>
<td>Computer Accounting Applications</td>
<td>2</td>
</tr>
<tr>
<td>BA243</td>
<td>Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BA249</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>BA280</td>
<td>Cooperative Work Experience/Business</td>
<td>1-9</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BT106</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BT121</td>
<td>Digital Marketing and e-Commerce</td>
<td>4</td>
</tr>
<tr>
<td>BT161</td>
<td>Practical Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>BT165</td>
<td>Writing a Business Plan</td>
<td>2</td>
</tr>
<tr>
<td>BT171</td>
<td>Practical Accounting III</td>
<td>4</td>
</tr>
<tr>
<td>BT250</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Any CS125 applications course (except those taken to fulfill core requirements)</td>
<td>1-6</td>
</tr>
<tr>
<td>ECON201</td>
<td>Introduction to Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON202</td>
<td>Introduction to Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Any foreign language</td>
<td>4-12</td>
</tr>
</tbody>
</table>

1 Required for graduation.

2 Students who have successfully completed the 3-credit versions of BT113 and BT114 will have met this requirement, but students must still complete at least 90 applicable credits to receive an associate degree.

3 Not required for students completing the Accounting, Management, or Marketing options. They will complete 3-6 elective credits and the option area coursework listed.

For more information contact the Business Department:

Grants Pass .......................................................... 541-956-7066
Medford ................................................................. 541-245-7527
Toll free in Oregon ................................. 800-411-6508, Ext. 7066 or Ext. 7527
e-mail ........................................ rwcbusiness@roguecc.edu or rvcbusiness@roguecc.edu
Web address .......................................................... www.roguecc.edu/business
TTY ............................................................. Oregon Telecom Relay Service, 711

### TOTAL BUSINESS TECHNOLOGY ACCOUNTING OPTION CREDITS 92-96

#### Required Courses – Management Option

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA206</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BA224</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BT250</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>8-4</td>
</tr>
</tbody>
</table>

For more information contact the Business Department:

Grants Pass .......................................................... 541-956-7066
Medford ................................................................. 541-245-7527
Toll free in Oregon ................................. 800-411-6508, Ext. 7066 or Ext. 7527
e-mail ........................................ rwcbusiness@roguecc.edu or rvcbusiness@roguecc.edu
Web address .......................................................... www.roguecc.edu/business
TTY ............................................................. Oregon Telecom Relay Service, 711

### TOTAL BUSINESS TECHNOLOGY MANAGEMENT OPTION CREDITS 91-95

#### Required Courses – Marketing Option

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA243</td>
<td>Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BT106</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BT211</td>
<td>Digital Marketing and e-Commerce</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>5-6</td>
</tr>
</tbody>
</table>

For more information contact the Business Department:

Grants Pass .......................................................... 541-956-7066
Medford ................................................................. 541-245-7527
Toll free in Oregon ................................. 800-411-6508, Ext. 7066 or Ext. 7527
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TTY ............................................................. Oregon Telecom Relay Service, 711

### Business Transfer to Southern Oregon University

**Associate of Science Degree**

#### About the Program

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 be admitted into the program 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 note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.
Students should contact the SOU School of Business early in the first year of the 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 BA201 at SOU during the first quarter.

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

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

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.

**Advanced Standing**

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

**Graduation Requirements**

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

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing Skills and Oral Communication</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>COMM225 Small Group Communication</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics w/lab</td>
<td>4</td>
</tr>
<tr>
<td>Distribution/Explorations Requirements</td>
<td>31-38</td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>9-12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Complete at least three courses from the following list, 9-12 credits.)</td>
<td></td>
</tr>
<tr>
<td>Course No.</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>4</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART207,208,209</td>
<td>History of Asian Art</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENGL275</td>
<td>The Bible as a Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS216.262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHL101,102,103</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>TAI41</td>
<td>Fundamentals of Acting</td>
<td>4</td>
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<tr>
<td>WR241,242,243</td>
<td>Imaginative Writing I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS101</td>
<td>Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS111,112,113</td>
<td>Music Theory and Aural Skills I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS211,212,213</td>
<td>Music Theory and Aural Skills IV, V, VI</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>Social Science</td>
<td>11</td>
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<tr>
<td>Course No.</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>BA218</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON201</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON202</td>
<td>Principles of Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>11-15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Select three courses from the following list – at least two courses must have labs.)</td>
<td></td>
</tr>
<tr>
<td>Course No.</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI211,212</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CS205-133JS</td>
<td>Web Authoring I + Javascript I (taken together, equivalent to CS210 + 4 CS elective credits – non/lab)</td>
<td>4-4</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab)</td>
<td>3</td>
</tr>
<tr>
<td>G100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G101,102,103</td>
<td>Introduction to Geology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS041,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI211,212</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CS205-133JS</td>
<td>Web Authoring I + Javascript I (taken together, equivalent to CS210 + 4 CS elective credits – non/lab)</td>
<td>4-4</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab)</td>
<td>3</td>
</tr>
<tr>
<td>G100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G101,102,103</td>
<td>Introduction to Geology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS041,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>
### Business-Specific Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA131</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BA211</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA213</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA226</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>BA282</td>
<td>Applied Business Statistics</td>
<td>4</td>
</tr>
<tr>
<td>BA285</td>
<td>Advanced Business Applications: Excel</td>
<td>4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
</tbody>
</table>

### Electives

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 career and technical course credits may be used toward this degree.

Note: WR115 Introduction to Expository Writing may be used as elective credit if taken summer term 2000 or later and completed with a letter grade of "C" or better.

### TOTAL PROGRAM CREDITS

7-14

### Chemistry Interest

#### Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student consult with the transfer college of choice regarding specific prerequisites since requirements for a chemistry major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM221</td>
<td>General Chemistry I with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM222</td>
<td>General Chemistry II with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM223</td>
<td>General Chemistry III with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>PH211</td>
<td>General Physics I (Calculus Based) with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>PH212</td>
<td>General Physics II (Calculus Based) with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>PH213</td>
<td>General Physics III (Calculus Based) with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Wiring</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Note: Four courses required in the science/math category. Additional courses would count as electives.

Oregon public universities offering degrees in this subject:

- Eastern Oregon University  [www.eou.edu](http://www.eou.edu)
- Southern Oregon University  [www.sou.edu](http://www.sou.edu)
- Portland State University  [www.pdx.edu](http://www.pdx.edu)
- Oregon State University  [www.oregonstate.edu](http://www.oregonstate.edu)
- University of Oregon  [www.uoregon.edu](http://www.uoregon.edu)
- Western Oregon University  [www.wou.edu](http://www.wou.edu)
- Oregon Institute of Technology  [www.oit.edu](http://www.oit.edu)

### Commercial Truck Driving Certificate of Completion

#### About the Program

The Commercial Truck Driving one-term program is designed to meet or exceed the highest standards set by reputable trucking firms in the United States. The program provides the knowledge and skills necessary to successfully pass Oregon Department of Motor Vehicles Commercial Driving License (CDL) and endorsement tests including air brake, doubles/triples, tankers and hazardous materials. Commercial vehicle basics will be covered including driver qualifications, hours of service, and whistle-blower protection as required by the Federal Motor Carriers Safety Administration (FMCSA). Students drivers will have a minimum of 40 hours of hands-on drive time supervised by instructors with many years of over-the-road experience.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see [www.roguecc.edu/Programs/LearningOutcomes](http://www.roguecc.edu/Programs/LearningOutcomes).

#### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in reading and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed.

In addition, students must have a valid Oregon driver’s license, completed application packet and be accepted into the program. Students must also pass the Department of Transportation (DOT) physical and drug screen and reach their 18th birthday before the first day of class. In addition, students may also be required to enroll in classes that would increase their employability and success.

#### Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the department’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework.

#### Graduation Requirements

Students completing all credits in this program with a grade of "C" or better will receive their certificates. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

#### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

#### Total Prerequisite Credits

0-8
## Communication/Speech/Journalism Interest
### Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a communication/speech/journalism major vary at each university.

### Recommended courses depending on interest area:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
<td>Humanities</td>
</tr>
<tr>
<td>SP115</td>
<td>Intercultural Communication</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>SP218</td>
<td>Interpersonal Communication</td>
<td>4</td>
<td>Humanities</td>
</tr>
</tbody>
</table>

*For Bachelor of Arts requirement.

Note: Three courses required in the humanities category. Additional courses would count as electives. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a communication/speech/journalism major vary at each university.

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## Computer Engineering Technology Transfer to Oregon Tech
### Associate of Science Degree

**About the Program**

The Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech. The program is designed for students transferring to its baccalaureate degree program in Computer Engineering Technology, and graduates are guaranteed junior standing in the program upon transferring. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 56 core credits within the major area. By completing all appropriate credits (including electives), students will complete required lower division coursework for transfer to Oregon Tech.

Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees. Students must work closely with their advisors to ensure transferability. If students transfer before completing this degree or transfer in a major not covered by prior agreements, courses will be evaluated individually toward the transfer requirements of the college of their choice. Students are advised to obtain written approval from Oregon Tech to guarantee their catalog of transfer for three years.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

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

**Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

**Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students should be aware that Oregon Tech requires a grade of “B” or better in CS133a and CS253a for transfer.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS___</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0.4</td>
</tr>
<tr>
<td>EET112</td>
<td>Introduction to Mechanics</td>
<td>5</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0.3</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits**

5-20

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I (Differential)</td>
<td>5</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II (Integral)</td>
<td>5</td>
</tr>
<tr>
<td>MTH254</td>
<td>Vector Calculus</td>
<td>5</td>
</tr>
</tbody>
</table>

---

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TD101</td>
<td>Introduction to Commercial Truck Driver Training</td>
<td>2</td>
</tr>
<tr>
<td>TD110</td>
<td>Commercial Truck Driver Training Advanced Topics</td>
<td>3</td>
</tr>
<tr>
<td>TD120</td>
<td>Commercial Truck Driver Training Practical Applications</td>
<td>2</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS**

12

For more information, contact the Commercial Truck Driving program:

White City .......................................................... 541-245-7900
Toll free in Oregon .............................................. 800-460-6766
Email .......................................................... truck@roguecc.edu
Web address .................................................. www.roguecc.edu/Workforce/Truck
TTY .......................................................... Oregon Telecom Relay Service, 711
The Associate of Science degree is based on a signed articulation agreement with Southern Oregon University (SOU). The program is designed for students transferring to its baccalaureate degree program in computer programming and software. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 31-33 core credits within the major area. By completing all appropriate credits (including electives), students will have fulfilled all required lower-division coursework for transfer to SOU. Students should be aware, however, that if they transfer before completing this degree, courses will be evaluated individually toward the transfer requirements of the college of their choice. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

### Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

### Graduation Requirements

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Students should be aware that SOU requires a grade of “B” in CS161 and CS162 for transfer. Certain required courses are also graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.
### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS___</td>
<td>Approved humanities electives 2</td>
<td>0-11</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test</td>
<td>0-3</td>
</tr>
</tbody>
</table>

#### Total Prerequisite Credits

59-70

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>COMM225</td>
<td>Small Group Communication and Problem-solving or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SP100 Basic Communication or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SP111 Fundamentals of Public Speaking or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SP218 Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II or</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>WR227 Technical Writing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Approved humanities electives 2</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td>Approved science electives 3</td>
<td>11-15</td>
</tr>
<tr>
<td></td>
<td>Approved social science electives 4</td>
<td>9-12</td>
</tr>
</tbody>
</table>

#### Total General Education Credits

59-70

### Core Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125b</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS133</td>
<td>Any CS135 programming language course</td>
<td>4</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS275</td>
<td>Data Base Development I</td>
<td>4</td>
</tr>
<tr>
<td>CS___</td>
<td>Approved computer science electives 5</td>
<td>8-10</td>
</tr>
</tbody>
</table>

#### Total Core Credits

31-33

#### TOTAL PROGRAM CREDITS

90-103

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1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

### 2 Approved Humanities Electives

(complete at least three courses, 9-12 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENGL275</td>
<td>The Bible as a Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,202,203</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS251,252,257,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHIL101,102,103</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication (if not taken as part of general education core)</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>TA141</td>
<td>Fundamentals of Acting</td>
<td>4</td>
</tr>
<tr>
<td>WR241,242,243</td>
<td>Imaginative Writing I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

### 3 Approved Science Electives

(complete at least three courses, two of which must have labs, from the following list, 11-15 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recreation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recreation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM195 + CS133js</td>
<td>Web Authoring I (HTML/CSS) + JavaScript I (non-lab course)</td>
<td>4-4</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G101,102,103</td>
<td>Introduction to Geology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS104,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab and recreation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recreation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>

### 4 Approved Social Science Electives

(complete at least three courses from the following list, 9-12 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110,150</td>
<td>Introduction to Cultural Anthropology/Archaeology</td>
<td>4-4</td>
</tr>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA218</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>CJ101/SOC244</td>
<td>Introduction to Criminology</td>
<td>4</td>
</tr>
<tr>
<td>CJ120</td>
<td>Introduction to the Judicial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJ243/SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>COMM237</td>
<td>Communication and Gender</td>
<td>4</td>
</tr>
<tr>
<td>ECON115</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON201,202</td>
<td>Principles of Microeconomics/Macroeconomics</td>
<td>4-4</td>
</tr>
<tr>
<td>GEOG110</td>
<td>Introduction to Cultural and Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG120</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>HE250,HE295</td>
<td>Personal Health/Health and Fitness for Life</td>
<td>3-3</td>
</tr>
<tr>
<td>HIST104,105</td>
<td>History of World Civilization I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>HIST201,202</td>
<td>History of the United States I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>IS110,111</td>
<td>Introduction to International Studies</td>
<td>4-3</td>
</tr>
<tr>
<td>PS201,202,203</td>
<td>American Government I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
</tbody>
</table>
students transferring to baccalaureate degree programs in computer science or software engineering. Those completing the ASOT–Computer Science degree are assured junior level standing for regis-

The statewide Associate of Science Oregon Transfer degree in Computer Science is designed for.

For more information contact the Computer Science Department:
Grants Pass ............................................. 541-956-7213
Medford ............................................. 541-245-7527
Toll free in Oregon ................................. 800-411-6508, Ext. 7213 or Ext. 7527
email ........................................... rwccomputerscience@roguecc.edu or rwccomputerscience@roguecc.edu
Web address ........................................ www.roguecc.edu/computerscience
TTY ............................................. 541-956-7338 or 541-245-7587

Computer Science
Associate of Science
Oregon Transfer Degree

About the Program
The statewide Associate of Science Oregon Transfer degree in Computer Science is designed for students transferring to baccalaureate degree programs in computer science or software engineering. Those completing the ASOT–Computer Science degree are assured junior level standing for registration purposes and will have met the lower division general education requirements of any institution in the Oregon University System (OUS). Students should be aware that when they graduated from high school or equivalency program.

Entry Requirements
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.

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

Graduation Requirements
Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade of "C" or better.

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II or WR227 Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
</tbody>
</table>

Oral Communication (one course required)  3-4

Writing Skills (two courses required)  8
Students who took writing classes of 3 credits each must have WR121, WR122 and either WR123 or WR227. Students taking classes of 4 credits each must take WR121 and either WR122 or WR227.

Mathematics  10

Health/Wellness/ Fitness  3

Total General Education Credits  24-25

Distribution Requirements

Humanities  3
Choose three courses from at least two disciplines/prefixes. Courses must be at least 3 credits each and exclude first-year foreign language courses; second-year foreign language is acceptable (see catalog for approved list of humanities electives).

Social Science  12-16
Complete four courses from at least two disciplines/prefixes. Courses must be at least 3 credits each (see catalog for approved list of social science electives).

Science  12-15
Complete three biological and/or physical science laboratory courses (see catalog for approved list of science electives).

Total Distribution Credits  33-43
### About the Program

The Computer Support Technician program is designed to prepare students for employment in computer support positions within an organization. It will also provide skills in computer hardware and software to meet the needs of an increasingly technical society.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

### Computer Science-specific Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS160</td>
<td>Introduction to Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS260</td>
<td>Data Structures I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Computer Science-specific Credits** 16

**Electives**

Complete a sufficient number of college-level (numbered 100 and above) courses to meet the total degree requirement of at least 90 credits. Students should use the ASOT-CS university-specific degree requirements guide to determine elective requirements for the transfer institution. A maximum of 12 career and technical credits may be used toward this degree. Note: WR115 Introduction to Expository Writing may be used as elective credit if taken summer term 2000 or after and completed with a letter grade of “C” or better.

**Total Elective Credits** 6-17

**TOTAL PROGRAM CREDITS** 90

1. SP100 may not be accepted if students do not complete this degree before transferring to an Oregon university.
2. Meets cultural literacy criteria (one course required). See catalog for additional courses that meet the criteria.
3. 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 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 foreign language regardless of when they graduated from high school or equivalency program.
4. Some OUS schools require physics as the laboratory science chosen. It is recommended that students contact the specific OUS school early in the first year of the program or use the ASOT-CS university-specific degree requirements guide to determine any additional science requirements and procedures for admission to a specific school or program.

---

### Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

Credits earned in the successful completion of this program can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

### Graduation Requirements

Students completing the required credits in this program with a grade of “C” or better will receive their degrees. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits** 0-11

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM250</td>
<td>Small Group Communication and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>HE250</td>
<td>Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life or HE112 Emergency First Aid or HE261 CPR</td>
<td>1-3</td>
</tr>
<tr>
<td>MTH96</td>
<td>Applied Algebra II or MTH65 Fundamentals of Algebra II or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing or WR122 English Composition II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total General Education Credits** 25-27

### Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BT178</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CS125db</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS125ppr</td>
<td>Effective Presentations</td>
<td>2</td>
</tr>
<tr>
<td>CS125sw</td>
<td>Spreadsheet Applications</td>
<td>4</td>
</tr>
<tr>
<td>CS125v</td>
<td>Visio</td>
<td>1</td>
</tr>
<tr>
<td>CS125ww</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>CS133</td>
<td>Any CS133 programming language course</td>
<td>4</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS179</td>
<td>Introduction to Networks</td>
<td>4</td>
</tr>
<tr>
<td>CS225</td>
<td>Computer End-user Support I</td>
<td>4</td>
</tr>
<tr>
<td>CS227</td>
<td>PC Hardware Fundamentals and Repair</td>
<td>5</td>
</tr>
<tr>
<td>CS240</td>
<td>Advanced Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS279</td>
<td>Network Operating Systems I (Infrastructure)</td>
<td>4</td>
</tr>
</tbody>
</table>
Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students in the high school College Now credit program must meet with the department chair to determine placement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS280</td>
<td>Cooperative Work Experience/Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>—</td>
<td>Approved program electives</td>
<td>13</td>
</tr>
<tr>
<td>Total Required Core Credits</td>
<td>65</td>
<td></td>
</tr>
<tr>
<td>TOTAL PROGRAM CREDITS</td>
<td>90-92</td>
<td></td>
</tr>
</tbody>
</table>

**Approved Program Electives**

(18 credits required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA109</td>
<td>Ready Set. Work Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>CS125s</td>
<td>Database Report Generation (Crystal Reports)</td>
<td>3</td>
</tr>
<tr>
<td>CS133</td>
<td>Any CS133 programming language course(s) not taken as required</td>
<td>variable</td>
</tr>
<tr>
<td>CS160</td>
<td>Introduction to Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS227n</td>
<td>Network Hardware Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>CS235a</td>
<td>Advanced C++ Language</td>
<td>4</td>
</tr>
<tr>
<td>CS240L</td>
<td>Advanced Operating Systems – Linux</td>
<td>4</td>
</tr>
<tr>
<td>CS275</td>
<td>Database Development I</td>
<td>4</td>
</tr>
<tr>
<td>CS288</td>
<td>Network Operating Systems II (Active Directory)</td>
<td>4</td>
</tr>
<tr>
<td>CS280</td>
<td>Cooperative Work Experience</td>
<td>variable</td>
</tr>
<tr>
<td>EET___</td>
<td>Any electronics course(s)</td>
<td>variable</td>
</tr>
<tr>
<td>HCI255</td>
<td>Introduction to Health Care Informatics</td>
<td>3</td>
</tr>
<tr>
<td>—</td>
<td>Any math course(s) MTH105 or higher</td>
<td>variable</td>
</tr>
<tr>
<td>SOC237</td>
<td>Communication, Relationships and Technology</td>
<td>4</td>
</tr>
</tbody>
</table>

For more information contact the Computer Science Department:

Grants Pass ................................................. 541-956-7213
Medford ..................................................... 541-245-7527
Toll free in Oregon ..................................... 800-411-6508, Ext. 7213 or Ext. 7527
email ........................................... rvccomputerscience@roguecc.edu or rvccomputerscience@roguecc.edu
Web address .............................................. www.roguecc.edu/computerscience
TTY ......................................................... Oregon Telecom Relay Service, 711

**Computer Support Technician: Computer Software Specialist Career Pathways Certificate**

**About the Program**

The Computer Software Specialist Career Pathway Certificate is designed to give students a comprehensive knowledge of a variety of commonly used software programs. It generally can be completed in one to two terms. Students will learn industry standard word processing, spreadsheet and presentation programs, as well as gain a strong foundation in operating systems. Students will be prepared for careers where strong computer application skills and computer system navigation are required.

The Career Pathway Certificate is the first step towards the Computer Support Associate of Applied Science degree or Computer Support: Healthcare Informatics Associate of Applied Science degree option. The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

**Computer Support Technician: Health Care Informatics option — Associate of Applied Science (AAS) (94-98 credits)**

- Advanced-level computer specialist 1
- Database manager 1
- Computer programmer 1

**Computer Support Technician — Associate of Applied Science (AAS) (90-92 credits)**

- Advanced-level computer specialist 1
- Database manager 1
- Computer programmer 1

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways

**Completion Requirements**

Students completing the required credits in this program with a grade of “C” or better will receive a Career Pathways Certificate in Computer Software Specialist. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency 1</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>Total Prerequisite Credits</td>
<td>0-16</td>
<td></td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125dh</td>
<td>Database Management Systems (Access)</td>
<td>3</td>
</tr>
<tr>
<td>CS125ppt</td>
<td>Effective Presentations (PowerPoint)</td>
<td>2</td>
</tr>
<tr>
<td>CS125w</td>
<td>Spreadsheet Applications (Excel)</td>
<td>4</td>
</tr>
<tr>
<td>CS125ww</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL PROGRAM CREDITS</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

For more information contact the Computer Science Department:

Grants Pass or Medford................................................. 541-956-7213
Medford ..................................................... 541-245-7527
Toll free in Oregon ..................................... 800-411-6508, Ext. 7213 or Ext. 7527
email ........................................... rvccomputerscience@roguecc.edu or rvccomputerscience@roguecc.edu
Web address .............................................. www.roguecc.edu/computerscience
TTY ......................................................... Oregon Telecom Relay Service, 711
Computer Support Technician: Health Care Informatics Option
Associate of Applied Science Degree

About the Program
The Computer Support Technician: Health Care Informatics Option is designed to prepare students for employment in computer support positions within an organization or as health care informatics specialists within medical organizations. This program is designed to provide skills in computer hardware and software to meet the needs of an increasingly technical society. Students also gain knowledge and skills necessary for working in the medical industry.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

Advanced Standing
Coursework from accredited universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

Credits earned in the successful completion of this program can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements
Students completing the required credits in this program with a grade of “C” or better will receive their degrees. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or designated placement test score</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-11

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM2225</td>
<td>Small Group Communication and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>I4250</td>
<td>Personal Health or HE252 First Aid/ CPR or HPE205 Health and Fitness for Life</td>
<td>1-3</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH96</td>
<td>Applied Algebra II or MTH65 Fundamentals of Algebra II or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>Technical Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing or WR122 English Composition II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total General Education Credits: 25-27

Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>AH110</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BI121</td>
<td>Elementary Anatomy and Physiology I with lab 1</td>
<td>4</td>
</tr>
<tr>
<td>BI122</td>
<td>Elementary Anatomy and Physiology II with lab 1</td>
<td>4</td>
</tr>
<tr>
<td>BI278</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CS150</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS255</td>
<td>Effective Presentations</td>
<td>2</td>
</tr>
<tr>
<td>CS256</td>
<td>Database Report Generation (Crystal Reports)</td>
<td>3</td>
</tr>
<tr>
<td>CS258</td>
<td>Spreadsheet Applications</td>
<td>4</td>
</tr>
<tr>
<td>CS335</td>
<td>Any CS335 programming language course</td>
<td>4</td>
</tr>
<tr>
<td>CS40</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS79</td>
<td>Introduction to Networks</td>
<td>4</td>
</tr>
<tr>
<td>CS225</td>
<td>Computer End-use Support I</td>
<td>4</td>
</tr>
<tr>
<td>CS227</td>
<td>PC Hardware Fundamentals and Repair</td>
<td>5</td>
</tr>
<tr>
<td>CS280</td>
<td>Cooperative Work Experience/Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>HCN120</td>
<td>Introduction to Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>HCN210</td>
<td>Legal Aspects of Medical Records</td>
<td>3</td>
</tr>
<tr>
<td>HCN255</td>
<td>Introduction to Health Care Informatics</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved program electives</td>
<td>3-5</td>
</tr>
</tbody>
</table>

Total Required Core Credits: 69-71

Total PROGRAM CREDITS: 94-98

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI121</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI122</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>BI278</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>CS150</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS255</td>
<td>Effective Presentations</td>
<td>2</td>
</tr>
<tr>
<td>CS256</td>
<td>Database Report Generation (Crystal Reports)</td>
<td>3</td>
</tr>
<tr>
<td>CS258</td>
<td>Spreadsheet Applications</td>
<td>4</td>
</tr>
<tr>
<td>CS335</td>
<td>Any CS335 programming language course</td>
<td>4</td>
</tr>
<tr>
<td>CS40</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS79</td>
<td>Introduction to Networks</td>
<td>4</td>
</tr>
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<td>HCN255</td>
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<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved program electives</td>
<td>3-5</td>
</tr>
</tbody>
</table>

For more information contact the Computer Science Department:

Grants Pass ............................................. 541-245-7213
Medford .................................................. 541-245-7527
Toll free in Oregon ............................... 800-411-6508, Ext. 7213 or 7527
email ...................................... rcccomputerscience@roguecc.edu or rcccomputerscience@roguecc.edu
Web address ........................................... www.roguecc.edu/computerscience
TTY .................................................... Oregon Telecom Relay Service, 711
Construction Trades, General Apprenticeship
Associate of Applied Science Degree

About the Program
The Construction Trades, General Apprenticeship program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The degree is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports the following BOLI-ATD trades: HVAC/R, plumber and sheet metal (8,000-hour trades).

The AAS degree is a credential within Rogue Community College’s Construction Trades, General Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificate of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech. The degree features general education courses prescribed by Rogue Community College, related training credits previously earned in the certificate of completion, college credit for an earned journey-level card, and some industry electives. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

If students intend to transfer to SOU’s Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.sou.edu/degreecompletion.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

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

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at http://www.roguecc.edu/Programs/CareerPathways/.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This degree does not guarantee licensure.

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>Appropriate 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td></td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math</td>
<td>4</td>
</tr>
</tbody>
</table>

Total General Education Credits: 16-20

Credit for Prior Certification

(Work-based Learning) 1

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR105</td>
<td>Apprenticeship Credit for Prior Learning</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>• HVAC/R – 22 credits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Plumber – 22 credits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Sheet Metal – 22 credits</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit for Prior Certification: 22

Related Training

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>————</td>
<td>Credit toward an Associate of Applied Science degree</td>
<td>36-48</td>
</tr>
<tr>
<td></td>
<td>earned through related apprenticeship training classes in these trades:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• HVAC/R – 36 credits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Plumber – 48 credits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Sheet Metal – 36 credits</td>
<td></td>
</tr>
</tbody>
</table>

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>————</td>
<td>Any college-level course (number 100 or above) to meet minimum degree requirement</td>
<td>0-16</td>
</tr>
</tbody>
</table>

Minimum Total Program Credits: 90

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 In lieu of WR115 and WR121, students may substitute BT113 Business English I and BT114 Business English II (8 credits total); or BT113 Business English I (or WR115 Introduction to Expository Writing) and 3 or 4 credits of speech (SP100 Basic Communication, SP111 Fundamentals of Public Speaking, or SP218 Interpersonal Communication), 6-8 credits total.

3 A maximum of 22 credits can be earned for documented work-based learning for registered apprentices and journey persons. Students must provide a State of Oregon Apprenticeship Training Certificate of Completion for this requirement.

For more information contact the Apprenticeship Department:
Grants Pass or Medford................................. 541-245-7912
Toll free in Oregon ............................. 800-411-6508, Ext. 7912
e-mail: .................................................. apprenticeship@roguecc.edu
Web address ........................................ www.roguecc.edu/apprenticeship
TTY ....................................................... Oregon Telecom Relay Service, 711

Construction Trades, General Apprenticeship Certificate of Completion

About the Program
The Construction Trades, General Apprenticeship certificate program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The certificate is available only to BOLI-registered apprentices. If you are interested in becoming registered in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports the following BOLI-ATD trades: HVAC/R, plumber and sheet metal (8,000-hour trades).

The certificate is a credential within Rogue Community College’s Construction Trades, General Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, a ladder-type certificate of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech.
type certificate of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech. This program features general education courses prescribed by Rogue Community College, related training credits, college credit for an earned journey-level card, and some industry electives. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

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

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CS___</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or higher level composition</td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Education Credits: 10-14

Related Training

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Criminal Justice Department’s approval. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Criminal Justice Department chair to determine placement.

Reserve Officer Law Enforcement Academy

The Criminal Justice Associate of Applied Science Degree offers a limited number of students the option of enrolling in the Reserve Officer Law Enforcement Academy (ROLEA) and applying credits to degree requirements. The ROLEA option is available to second year Criminal Justice students and does not require agency sponsorship. Students must apply for admission into ROLEA. Contact faculty in the Criminal Justice Department for more information.

Graduation Requirements

Students must successfully complete the credits in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Four credits (132 hours) of documented cooperative work experience in criminal justice, supervised by a professional, are required unless a waiver is granted.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or documented computer proficiency</td>
<td>0-3</td>
</tr>
<tr>
<td>——</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-7

First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ100</td>
<td>Foundations and Ethics in Criminal Justice</td>
<td>4</td>
</tr>
</tbody>
</table>
Second Term

CJ20  Introduction to the Judicial Process  
CJ201/SOC221  Introduction to Corrections  
LIB27  Introduction to Academic Research  
PSY201  General Psychology I  
WR122  English Composition II  

Third Term

CJ101/SOC244  Introduction to Criminology  
CJ130  Introduction to Corrections  
CJ214  Crime, Justice and Diversity  
MTH60  Fundamentals of Algebra I or MTH63 Applied Algebra I or BT160 Business Math or higher level math (MTH105 or higher recommended for transfer)  
HE112  Emergency First Aid or HE261 CPR (ROLEA credits may be substituted with advisor approval)  

Total First Year Credits  53

Second Year Required Courses

Course No.  Course Title  Credits

Fourth Term

CJ220  Law I: Substantive Law and Liability (ROLEA credits may be substituted with advisor approval)  4  
ECON201  Principles of Microeconomics or approved program elective  3-4  
—  Approved humanities elective (see this catalog for approved list of electives)  3-4  
—  Approved program elective  0-2  

Fifth Term

CJ221  Law II: Constitutional Criminal Procedure  4  
CJ280  Cooperative Work Experience/Criminal Justice (ROLEA credits may be substituted with advisor approval)  4  
—  Approved humanities elective (see this catalog for approved list of electives)  3-4  
—  Approved program elective  0-3  
—  Approved program elective  0-3  

Sixth Term

CJ223  Law III: Evidence and Trial Process  4  
CJ270  Capstone Project in Criminal Justice  4  
ECON202  Principles of Macroeconomics or approved program elective  3-4  
—  Approved humanities elective (see this catalog for approved list of electives)  3-4  
—  Approved program elective  0-3  

Total Second Year Credits  41-55

TOTAL PROGRAM CREDITS  94-108

1. Required for graduation. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2. Recommended and/or required course for students pursuing the Bachelor’s of Applied Science degree at SOU. See advisor for details.

3. Approved Program Electives  (6-15 credits required)

Note: Students using ROLEA credits to fulfill program requirements should see an advisor for further information and application.

Course No.  Course Title  Credits

BA101  Introduction to Business (acceptable if taken for 3 credits)  4  
BA211  Financial Accounting  4  
BA213  Managerial Accounting  4  
BA214  Business Communications  4  
BA226  Business Law  4  
BT111  Conflict Management  2  
CJ91/CJ191  ROLEA Module 1  0-4  
CJ92/CJ192  ROLEA Module 2  0-4  
CJ93/CJ193  ROLEA Module 3  0-3  
CJ94/CJ194  ROLEA Module 4  0-4  
CJ95/CJ195  ROLEA Module 5  0-3  
CJ96/CJ196  ROLEA Module 6  0-2  
CJ97/CJ197  ROLEA Module 7  0-3  
CJ98/CJ198  ROLEA Module 8  0-3  
CJ99  Criminal Justice Workshop  0  
CJ199  Special Studies: Criminal Justice  variable  
CJ203  Crisis Intervention  3  
CJ210  Criminal Investigation  4  
CJ229  Community Corrections and Casework  4  
CJ243/SOC243  Drugs, Crime and Addiction  4  
CJ280  Cooperative Work Experience/Criminal Justice  variable  
HDFS260  Child Abuse and Neglect  3  
PS201  U.S. Government I  3  
PS202  U.S. Government II  3  
PS203  U.S. Government III  3  
PSY202  General Psychology II  4  
PSY215  Life Span Human Development  4  
PSY219  Introduction to Abnormal Psychology  4  
SOC204  Introduction to Sociology  4  
SOC205  American Society  4  
SOC211  Social Deviance and Social Control  3  
SOC213  Race and Ethnicity in the U.S.  4  
SOC225  Social Problems  4  
WR185  Understanding English Grammar  2  
WR227  Technical Writing  4  

Criminal Justice Experience and Inservice Training

Up to 18 credits may be applied to the Criminal Justice AAS degree program for students that have completed certified law enforcement or corrections academies, and inservice training in criminal justice fields in recognition of career experiences. See a program advisor for more information.

For more information contact the Criminal Justice Department:
Grants Pass or Medford………………………….. 541-245-7965
Toll free in Oregon ………………………………….. 800-411-6508, Ext. 7965
e-mail ……………………………………………….. criminaljustice@roguecc.edu
Web address …………………………………………. www.roguecc.edu/criminaljustice
TTY ……………………………………………… Oregon Telecom Relay Service, 711
Criminology Transfer to Southern Oregon University
Associate of Science Degree

About the Program
This Associate of Science degree has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU’s Criminology program and allows students to transfer directly to SOU without loss of credits to pursue a bachelor’s degree. The program offers an excellent balance of criminal justice and liberal education courses that support advanced study in criminal justice. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

Students should contact the SOU Criminology and Criminal Justice Department early in the first year of the program to be advised about additional requirements and procedures for admission to SOU. Students transferring to SOU will be required to complete CJ1298 Orientation to the SOU Criminal Justice Major at SOU during the first term. For more information contact Tanya Blakeley at 541-552-8095 or your RCC advisor.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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. A Criminal Justice program advisor must provide advising and approval of a student’s program prior to registration.

Prospective students should be aware of entry requirements of criminal justice agencies prior to considering criminal justice fields as a career choice. Conditions such as impaired hearing and/or eyesight, impaired physical agility, or a criminal history may preclude employment in some agencies. Students should discuss their individual circumstances with advisors and determine if any issues might preclude employment in the field.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the department chair’s approval. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Criminal Justice Department chair to determine placement.

Graduation Requirements
Students must successfully complete all credits in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Approve 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or MTH96 Applied Algebra II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD150</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 0-15

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM225</td>
<td>Small Group Communication and Problem-solving or SP100 Basic Communication or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>3-4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Reading or designated placement test score</td>
<td>1</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PS205</td>
<td>American Government III</td>
<td>3</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II or WR227 Technical Report Writing</td>
<td>4</td>
</tr>
<tr>
<td>—</td>
<td>Approved humanities electives</td>
<td>9-12</td>
</tr>
<tr>
<td>—</td>
<td>Approved lab science electives</td>
<td>8-10</td>
</tr>
<tr>
<td>—</td>
<td>Approved science electives</td>
<td>3-5</td>
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</table>

Total General Education Credits 47-55

Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ100</td>
<td>Foundations and Ethics in Criminal Justice</td>
<td>4</td>
</tr>
<tr>
<td>CJ101/SOC244</td>
<td>Introduction to Criminology</td>
<td>4</td>
</tr>
<tr>
<td>CJ110</td>
<td>Introduction to Law Enforcement</td>
<td>4</td>
</tr>
<tr>
<td>CJ120</td>
<td>Introduction to the Judicial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJ130</td>
<td>Introduction to Corrections</td>
<td>4</td>
</tr>
<tr>
<td>CJ201/SOC221</td>
<td>Juvenile Delinquency</td>
<td>4</td>
</tr>
<tr>
<td>CJ214</td>
<td>Crime, Justice and Diversity</td>
<td>4</td>
</tr>
<tr>
<td>CJ220</td>
<td>Law I: Substantive Law and Liability</td>
<td>4</td>
</tr>
<tr>
<td>CJ221</td>
<td>Law II: Constitutional Criminal Procedure</td>
<td>4</td>
</tr>
<tr>
<td>CJ223</td>
<td>Law III: Evidence and Trial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJ270</td>
<td>Capstone Project in Criminal Justice</td>
<td>4</td>
</tr>
<tr>
<td>—</td>
<td>Approved program electives</td>
<td>6-8</td>
</tr>
</tbody>
</table>

Total Core Credits 50-52

TOTAL PROGRAM CREDITS 97-107

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 Approved Humanities Electives
(complete at least three courses from the following list, 9-12 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204.205.206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENG104.105.106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107.108.109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201.202.203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG204.205.206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG253.254.255</td>
<td>Survey of American Literature I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ENG257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENG260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENG275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201.202.203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101.102.103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215.216.217.218.219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS261.262.263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>
MUS204,205,206 History of Rock, I, II, III 3-3-3
PHL101,102,103 Philosophical Problems/Ethics/Critical Reasoning 4-4-4
REL201 World Religions 4
REL243 Nature, Religion and Ecology 4
SP100 Basic Communication (if not taken as part of general education core) 3
SP115 Introduction to Intercultural Communication 4
SPAN201,202,203 Second Year Spanish I, II, III 4-4-4
TA141 Fundamentals of Acting 4
WR241,242,243 Imaginative Writing I, II, III 4-4-4

### Approved Science Electives

(Complete at least three courses – two of which must have labs – from the following list, 11-15 credits; a three-term lab science sequence is recommended for transfer but not required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology w/lab I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI246</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CS195+133JS</td>
<td>Web Authoring I (HTML/CSS) + Javascript I (non-lab courses)</td>
<td>4-4</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G101,102,103</td>
<td>Introduction to Geology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS104,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS101</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>

### 4 Approved Program Electives

(6-8 credits required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA214</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>CJ99</td>
<td>Special Topics/Criminal Justice</td>
<td>variable</td>
</tr>
<tr>
<td>CJ203</td>
<td>Crisis Intervention</td>
<td>3</td>
</tr>
<tr>
<td>CJ210</td>
<td>Criminal Investigation</td>
<td>4</td>
</tr>
<tr>
<td>CJ229</td>
<td>Community Corrections and Casework</td>
<td>4</td>
</tr>
<tr>
<td>CJ243/30C243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>CJ280</td>
<td>Cooperative Work Experience/Criminal Justice</td>
<td>1-4</td>
</tr>
<tr>
<td>HDFS260</td>
<td>Child Abuse and Neglect</td>
<td>3</td>
</tr>
<tr>
<td>HPE295</td>
<td>Health and Fitness for Life or Physical Education</td>
<td>4</td>
</tr>
<tr>
<td>HUM101</td>
<td>Introduction to Humanities</td>
<td>3</td>
</tr>
<tr>
<td>PS202</td>
<td>American Government II</td>
<td>3</td>
</tr>
<tr>
<td>PSY215</td>
<td>Life Span Human Development</td>
<td>4</td>
</tr>
<tr>
<td>PSY219</td>
<td>Introduction to Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>SOC205</td>
<td>American Society</td>
<td>4</td>
</tr>
<tr>
<td>SOC211</td>
<td>Social Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing (if not taken as part of general education core)</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of “C” or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Criminal Justice Department:
Grants Pass or Medford .................................................. 541-245-7965
Toll free in Oregon .................................................. 800-411-6508, Ext. 7965
email .................................................. criminaljustice@roguecc.edu
Web address .................................................. www.roguecc.edu/criminaljustice
TTY .................................................. Oregon Telecom Relay Service, 711

### About the Program

The four-term certificate program prepares students to meet the requirements to become dental assistants with expanded functions (EFDA). Successful completion of the program leads to eligibility to sit for the Dental Assisting National Board’s (DANB) certified dental assisting (CDA) exam. The curriculum is based in general dentistry; students are trained in four-handed chair-side assisting techniques to work with general dentists during all phases of patient examination and treatment. Program students attend classes as part of a structured cohort that begins each year in fall term. Students should apply early as the required mandatory orientation is scheduled several months prior to the fall start. Note: Students may still be working on prerequisites to cohort acceptance classes when applying.

Working dental assistants with six months of current, continuous, chair-side employment may also enroll in classes without formal admittance into the program, and without joining a cohort. Working dental assistants may attend most classes, but preference will be given to cohort students. Working dental assistants can enhance their education and eligibility to sit for the Dental Assisting National Board’s (DANB) certified dental assisting (CDA) exam by taking RCC dental classes.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

If students intend to transfer to Oregon Tech’s bachelor’s degree in Allied Health Management after successfully passing the registry or licensure exam, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.oti.edu/programs/klamath-falls/management/allied-health-management/overview.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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. This is a limited-entry program. Cohort students must meet certain minimum academic requirements (MTH20, RD30, WR30) before the program application due date. All listed program prerequisites must be satisfactorily completed before beginning the cohort.

### Selection Process

All applications will be date stamped and reviewed in the order received. Applicants will be selected by committee. The screening process includes a mandatory orientation and an interview. A criminal background check and drug screening will be required for students once they are accepted into the program. This is a competitive program and not all qualified applicants may be accepted.
Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over five years old must be reviewed and approved by the appropriate department coordinator before being accepted toward core requirements. College Now credit will be accepted in accordance with the current agreement.

Graduation Requirements
Students completing all courses in this program with a grade of “C” or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

Prerequisites to Application

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Prerequisite Credits</strong></td>
<td><strong>0-12</strong></td>
</tr>
</tbody>
</table>

Prerequisites to Cohort Acceptance

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSY101 Psychology of Human Relations I</td>
<td></td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>WRI15 Introduction to Expository Writing or higher level composition class</td>
<td>3-4</td>
</tr>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or</td>
<td>4</td>
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<tr>
<td></td>
<td>MTH60 Fundamentals of Algebra I or</td>
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</tr>
<tr>
<td></td>
<td>BT160 Business Math or higher level math</td>
<td></td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication or</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>SP111 Fundamentals of Public Speaking</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Prerequisite to Cohort Credits</strong></td>
<td><strong>13-19</strong></td>
</tr>
</tbody>
</table>

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>AH105</td>
<td>Communication and Professional Behavior</td>
<td>2</td>
</tr>
<tr>
<td>DA101</td>
<td>Dental Assisting I</td>
<td>4</td>
</tr>
<tr>
<td>DA101A/B</td>
<td>Dental Assisting I Lab</td>
<td>1</td>
</tr>
<tr>
<td>DA202</td>
<td>Infection Control</td>
<td>2</td>
</tr>
<tr>
<td>HE252</td>
<td>First Aid/CPR</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Second Term (Winter)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>DA102</td>
<td>Dental Assisting II</td>
<td>4</td>
</tr>
<tr>
<td>DA102A/B</td>
<td>Dental Assisting II Lab</td>
<td>1</td>
</tr>
<tr>
<td>DA103</td>
<td>Dental Materials</td>
<td>2</td>
</tr>
<tr>
<td>DA104</td>
<td>Dental Administration</td>
<td>2</td>
</tr>
<tr>
<td>DA150</td>
<td>Introduction to Practicum and Seminar</td>
<td>1</td>
</tr>
<tr>
<td>DA201</td>
<td>Dental Radiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

Third Term (Spring)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA105</td>
<td>Legal and Ethical Issues in Dentistry</td>
<td>2</td>
</tr>
<tr>
<td>DA106</td>
<td>Dental and Medical Emergency Management</td>
<td>2</td>
</tr>
<tr>
<td>DA152</td>
<td>Practicum and Seminar in Dental Assisting I</td>
<td>4</td>
</tr>
<tr>
<td>DA201A/B</td>
<td>Radiology Lab</td>
<td>2</td>
</tr>
<tr>
<td>DA203</td>
<td>Chair-side Assisting</td>
<td>2</td>
</tr>
</tbody>
</table>

Fourth Term (Summer)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA153</td>
<td>Practicum and Seminar in Dental Assisting II</td>
<td>4</td>
</tr>
<tr>
<td>DA204</td>
<td>Expanded Functions Dental Assistant</td>
<td>2</td>
</tr>
<tr>
<td>DA204A/B</td>
<td>Expanded Functions Dental Assistant Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Approved program elective</td>
<td>0-5</td>
</tr>
<tr>
<td></td>
<td><strong>Total Program Credits</strong></td>
<td>48-53</td>
</tr>
</tbody>
</table>

Approved Program Electives
(0-5 credits allowed)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH110</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision</td>
<td>3</td>
</tr>
<tr>
<td>CG100</td>
<td>College Success and Survival</td>
<td>2</td>
</tr>
<tr>
<td>CG105</td>
<td>Finding the Money: Scholarship Essay Writing</td>
<td>1</td>
</tr>
<tr>
<td>HCI120</td>
<td>Introduction to Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any health or physical education course variable</td>
<td></td>
</tr>
<tr>
<td>HS152</td>
<td>Stress Management</td>
<td>1</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>RD115</td>
<td>Speedreading for College</td>
<td>3</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication (if not taken as prerequisite)</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking (if not taken as prerequisite)</td>
<td>4</td>
</tr>
<tr>
<td>SP218</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>SP101,201,203</td>
<td>First Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td></td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I (if not taken to fulfill writing requirement)</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>MTH</td>
<td>Any math course numbered MTH60 or above (if not taken to fulfill math requirement)</td>
<td>4-5</td>
</tr>
<tr>
<td></td>
<td>Any college-level science course numbered 100 and above</td>
<td>3-5</td>
</tr>
</tbody>
</table>

1 Required for graduation.
2 Students who have successfully completed the 3-credit version of BT113 will have met the composition requirement.
3 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
4 Students who have completed BA101 as a 3 credit course have met this requirement.

For more information contact the Dental Assistant program coordinator:
Grants Pass or Medford ............................ 541-245-7750
Toll free in Oregon ............................... 800-411-6508, Ext. 7750
email ............................................ dental@roguecc.edu
Web address ...................................... www.roguecc.edu/alliedhealth/dental
TTY .............................................. Oregon Telecom Relay Service, 711

Diesel Specialist Certificate of Completion

About the Program
The Diesel Specialist four-term certificate program is designed for students seeking an entry-level career in today’s diesel repair industry. The program builds rapidly from fundamentals and theory into diagnosis and repair of today’s modern equipment based upon Automotive Service Excellence (ASE) and industrial standards.
The design of the program places heavy emphasis upon actual hands-on work in diesel labs. Approximately two-thirds of the time spent in the program is in a lab (shop) environment where the student applies theory to diagnosis and repair of a wide variety of equipment. As students’ skill levels develop so does the difficulty of repairs performed.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policy and the department chair’s approval.

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Prerequisite Credits</strong></td>
<td><strong>0-16</strong></td>
</tr>
</tbody>
</table>

Technical Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT113</td>
<td>Business English I or higher level composition</td>
<td>4</td>
</tr>
<tr>
<td>DS111</td>
<td>Basic Electricity for Diesel Technicians I</td>
<td>7</td>
</tr>
<tr>
<td>DS120</td>
<td>Diesel Trades Practices</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>First Term</strong></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td>DS131</td>
<td>Diesel Engine Dynamics and Diagnosis</td>
<td>5</td>
</tr>
<tr>
<td>DS134</td>
<td>Basic Electricity for Diesel Technicians II</td>
<td>4</td>
</tr>
<tr>
<td>DS141</td>
<td>Heavy Equipment Power Trains</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Second Term</strong></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td>DS113</td>
<td>Diesel Engine Overhaul</td>
<td>6</td>
</tr>
<tr>
<td>DS151</td>
<td>Heavy Equipment Brakes</td>
<td>6</td>
</tr>
<tr>
<td>DS190</td>
<td>Diesel Repair Lab I</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Third Term</strong></td>
<td><strong>39</strong></td>
</tr>
</tbody>
</table>

Fourth Term (Summer)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or</td>
<td></td>
</tr>
<tr>
<td>DS232</td>
<td>Heavy Equipment Fuel Systems</td>
<td>4</td>
</tr>
<tr>
<td>DS270</td>
<td>Air Conditioning for Diesel Technicians</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Approved Program Electives</strong></td>
<td><strong>25</strong></td>
</tr>
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</table>

TOTAL PROGRAM CREDITS

62-68

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM190</td>
<td>Automotive Repair Lab I</td>
<td>4</td>
</tr>
<tr>
<td>BA109</td>
<td>Ready. Set. Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>DS112</td>
<td>Gasoline Engines Rebuild</td>
<td>6</td>
</tr>
<tr>
<td>DS290</td>
<td>Diesel Repair Lab II</td>
<td>3</td>
</tr>
<tr>
<td>DS199</td>
<td>Selected Topic Workshop</td>
<td>1-6</td>
</tr>
<tr>
<td>DS280</td>
<td>Cooperative Work Experience/Diesel</td>
<td>variable</td>
</tr>
<tr>
<td>DS280S</td>
<td>Cooperative Work Experience Seminar/Diesel</td>
<td>1</td>
</tr>
<tr>
<td>DS295</td>
<td>ASE Certification Preparation</td>
<td>1</td>
</tr>
<tr>
<td>EET101</td>
<td>Introduction to Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td>GS104</td>
<td>Physical Science with lab</td>
<td>4</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>TD103A</td>
<td>Introduction to Commercial Truck Driver Training (Class B License)</td>
<td>2</td>
</tr>
<tr>
<td>TD103B</td>
<td>Commercial Truck Driving Training Practical Applications (Class B License)</td>
<td>2</td>
</tr>
</tbody>
</table>

1 Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2 Students who have successfully completed the 3-credit version of BT113 will have met this requirement. WR115 or higher level composition may also be substituted.

For more information contact the Diesel Technology Department:

Grants Pass or Medford .................................................. 541-245-7809
Toll free in Oregon .................................................. 800-411-6508, Ext. 7809
email ................................................................. diesel@roguecc.edu
Web address ............................................................ www.roguecc.edu/diesel
TTY ................................................................. Oregon Telecom Relay Service, 711

Diesel Technology
Associate of Applied Science Degree

About the Program

The Diesel Technology Associate of Applied Science degree program is designed for students seeking a career in today’s diesel repair industry. The program builds rapidly from fundamentals and theory into diagnosis and repair of today’s modern equipment based upon Automotive Service Excellence (ASE) and industrial standards.

The design of the program places heavy emphasis upon actual hands-on work in diesel labs. Approximately two-thirds of the time spent in the program is in a lab (shop) environment where the student applies theory to diagnosis and repair of a wide variety of equipment. As students’ skill levels develop, so does the difficulty of repairs performed.

If students intend to transfer to either SOU’s (www.sou.edu/degreecompletion) or Oregon Tech’s (http://www.oit.edu/academics/academic-agreements/articulations) Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information, or visit www.sou.edu/degreecompletion.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policy and the department chair’s approval.

**Graduation Requirements**

Students must complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or higher level course or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD50</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits: 0-16**

### First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT113</td>
<td>Business English I or higher level composition</td>
<td>4</td>
</tr>
<tr>
<td>DS111</td>
<td>Basic Electricity for Diesel Technicians I</td>
<td>7</td>
</tr>
<tr>
<td>DS120</td>
<td>Diesel Trades Practices</td>
<td>6</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
</tbody>
</table>

**Second Term**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT114</td>
<td>Business English II</td>
<td>4</td>
</tr>
<tr>
<td>DS131</td>
<td>Diesel Engine Dynamics and Diagnosis</td>
<td>5</td>
</tr>
<tr>
<td>DS134</td>
<td>Basic Electricity for Diesel Technicians II</td>
<td>4</td>
</tr>
<tr>
<td>DS141</td>
<td>Heavy Equipment Power Trains</td>
<td>2</td>
</tr>
</tbody>
</table>

**Third Term**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS113</td>
<td>Diesel Engine Overhaul</td>
<td>6</td>
</tr>
<tr>
<td>DS151</td>
<td>Heavy Equipment Brakes</td>
<td>6</td>
</tr>
<tr>
<td>DS190</td>
<td>Diesel Repair Lab I</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
</tbody>
</table>

**Fourth Term (Summer)**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS232</td>
<td>Heavy Equipment Fuel Systems</td>
<td>4</td>
</tr>
<tr>
<td>DS270</td>
<td>Air Conditioning for Diesel Technicians</td>
<td>5</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or PSY101 Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid or HE261 CPR</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total First Year Credits: 68**

### Second Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS160</td>
<td>Heavy Equipment Suspension and Steering Systems</td>
<td>6</td>
</tr>
<tr>
<td>WLD111D</td>
<td>Technology of Industrial Welding I (Diesel)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Sixth Term**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS233</td>
<td>Cooperative Work Experience Seminar/Diesel</td>
<td>1</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>4-6</td>
</tr>
</tbody>
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**Seventh Term**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS200</td>
<td>Cooperative Work Experience/Diesel</td>
<td>3</td>
</tr>
<tr>
<td>DS290</td>
<td>Diesel Repair Lab II (if not taken as required course)</td>
<td>3</td>
</tr>
<tr>
<td>DS295</td>
<td>ASE Certification Preparation</td>
<td>1</td>
</tr>
<tr>
<td>EET101</td>
<td>Introduction to Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td>GS104</td>
<td>Physical Science with lab (recommended for transfer)</td>
<td>4</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or higher level math</td>
<td>4-5</td>
</tr>
<tr>
<td>WLD112</td>
<td>Technology of Industrial Welding II</td>
<td>6</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Report Writing</td>
<td>4</td>
</tr>
<tr>
<td>TD103A</td>
<td>Introduction to Commercial Truck Driver Training (Class B License)</td>
<td>2</td>
</tr>
<tr>
<td>TD103B</td>
<td>Commercial Truck Driver Training Practical Applications (Class B License)</td>
<td>2</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities elective (see this catalog for approved list of electives)</td>
<td>3-4</td>
</tr>
<tr>
<td>——</td>
<td>Approved social science elective (see this catalog for approved list of electives)</td>
<td>3-4</td>
</tr>
</tbody>
</table>

1. Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.
2. WR115 or higher level composition may be substituted. Students who have successfully completed the 3-credit version of BT113 will have met this requirement.
3. WR121 recommended for transfer and may be substituted. Students who have successfully completed the 3-credit version of BT114 will have met this requirement.
4. MTH105 or higher recommended for transfer.
5. PSY101 recommended for transfer.
6. Can be taken anytime during the program with permission of advisor.

For more information contact the Diesel Technology Department:

Grants Pass or Medford .......................................................... 541-245-7809
Toll free in Oregon ............................................................ .800-411-6508, Ext. 7809
e-mail ................................................................. diesel@roguecc.edu
Web address .................................................................. www.roguecc.edu/diesel
TTY ........................................................................ Oregon Telecom Relay Service, 711
About the Program

Based on a signed articulation agreement, Rogue Community College (RCC) and Southern Oregon University (SOU) Department of Education offer an Associate of Science degree for students who want to work with children ages birth to 8. This degree was developed as a cooperative venture between SOU and RCC and offers knowledge and application components drawn from curriculum at both institutions.

The Associate of Science degree articulates directly into a bachelor’s degree program at SOU that will fulfill the standards of the National Association for the Education of Young Children, as the program objectives are designed to align with the national professional standards. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

Students should work closely with their advisors to ensure transferability of this program. They should also contact the SOU School of Education early in the first year of the program to be advised about additional requirements and procedures for admission to SOU. Students transferring to SOU will be required to complete ED399 at SOU during their first quarter. If students transfer before completing this degree or transfer in a major not covered by prior agreements, their courses will be evaluated individually toward the transfer requirements of the college of their choice.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

For all early childhood classes, students are required to visit community classrooms to observe children, teachers, and/or classroom environments. In order for students to be permitted into many such sites, it is necessary to be enrolled in the Criminal History Registry. This registry is through the Oregon Office of Child Care and is not the same registry used by school districts. This can be accomplished by visiting the RCC Early Childhood Elementary Education Department website and clicking on “Criminal Background Check.” On the Criminal History Registry application, pay attention to specific instructions for RCC students completing the form. The cost is $3 (unless you have lived outside of Oregon within the past 18 months) and must be submitted with the form.

You must complete this process as soon as possible so that you are ready with your registry number when you need to complete your observation assignments. Your registry enrollment is valid for two years.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC ECEE Department website and clicking on “Measles Immunization.” Completed forms must be submitted to a department secretary.

For some classes, early childhood education students are required to use the Redwood Early Childhood Center, which is a Head Start site. Therefore, all students in the Early Childhood Education program must obtain prior clearance from Head Start. The process for doing this is on the Southern Oregon Head Start website, www.socfc.org. Click on “Volunteer” and then on “Download Volunteer Packet.” A criminal history check (see above) and required paperwork must be completed before observing or participating at a Head Start site.

Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Graduation Requirements

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “IP” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

Course No. Course Title Credits
CS_____ Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency 3 0-4
MTH96 Applied Algebra II or MTH95 Intermediate Algebra or designated placement test score 0-4
PSY101 Psychology of Human Relations 3
RD30 College Reading or designated placement test score 0-4
WR115 Introduction to Expository Writing or BT113 Business English I or designated placement test score 0-4

Total Prerequisite Credits 3-19

General Education Requirements

Course No. Course Title Credits
HE250 Personal Health or HPE295 Health and Fitness for Life 3
LIB127 Introduction to Academic Research 1
MTH243 Probability and Statistics or other approved math elective 3 4
SOC213 Race and Ethnicity in the U.S. or other approved social science elective 4 3-4
SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication 4
WR121 English Composition I 4
WR122 English Composition II or WR227 Technical Writing 4
—— Approved humanities elective 5 9-12
—— Approved lab science elective 6 11

Total General Education Requirements 43-47

Core Requirements

Course No. Course Title Credits
ECE100 Introduction to Early Childhood Education 3
ECE151 Guiding Children in Group Settings 3
ECE152 Fostering Creativity 3
ECE154 Children’s Literature and Literacy 3
ECE161 Infant/Toddler Development 3
ECE163 Preschool/Primary Development 3
ECE175 Developmentally Appropriate Practices 3
ECE240 Play-based Learning 3
ECE241 Promoting Cognitive Development 3
ECE243 Promoting Child Health and Physical Development 3
ECE244 Observation and Assessment 3
ECE245 Promoting Social and Emotional Development of Young Children 3
ECE246 Child, Family and Community 3
ECE248 Children with Disabilities and Their Families 3
ECE250 Infant/Toddler Environment or ECE251 Preschool Environments 3
ECE254 Preschool Curriculum or ECE255 Infant/Toddler Materials and Activities or ECE256 Primary Curriculum 3
ECE261 Advanced Practicum I and Seminar 3
ECE265 Children at Risk 3
5 Approved Humanities Electives

(Complete at least three courses from the following list, 9-12 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENG104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENG260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENG275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
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<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock Music</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHL101,102,105</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication (if not taken as part of general education core)</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Inter-cultural Communication</td>
<td>4</td>
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<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>TAI41</td>
<td>Fundamentals of Acting</td>
<td>4</td>
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<tr>
<td>WR214,212,213</td>
<td>Imaginative Writing I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

6 Approved Science/Lab Science Electives

(Complete at least three courses, two of which must have labs, from the following list for a minimum of 11 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100G</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CIS95,133JS</td>
<td>Web Authoring I (HTML/CSS + Javascript I (non-lab course)</td>
<td>4-4</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
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<tr>
<td>G101,102,103</td>
<td>Introduction to Geology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEO101</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS106,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>
Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of “C” or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Early Childhood and Elementary Education Department:
Grants Pass ............................................. 541-956-7066
Medford .................................................. 541-245-7504
Toll free in Oregon ................................. 800-411-6508, Ext. 7066 or 7504
e-mail .................................................. ecee@roguecc.edu
Web address ........................................... www.roguecc.edu/ecee
TTY ..................................................... Oregon Telecom Relay Service, 711

Early Childhood Education
Associate of Applied Science Degree

About the Program
The Early Childhood Education (ECE) program prepares students to work with young children from birth through 8 years of age and their families in a variety of settings including child care centers, family child care, preschools, Head Start, school age programs, home visiting, and parent education. It is planned to accommodate both full- and part-time students including those currently employed in the field.

The ECE program has as its basis preparation for the Child Development Associate (CDA) credential. Students may choose to complete the CDA assessment process and be eligible for entry-level jobs at that point. The CDA preparation courses serve as the foundation of the core coursework for the Early Childhood Education certificate, a one-year certificate which prepares students to work as teacher assistants or teachers in child care programs, Head Start, or other early childhood settings.

The Associate of Applied Science (AAS) degree in Early Childhood Education is based on the Guidelines for Preparation of Early Childhood Professionals from the National Association for the Education of Young Children (NAEYC). It is a comprehensive program that incorporates the core coursework for the CDA certificate and qualifies a student to become a head teacher in a child care facility licensed by the Oregon Child Care Division, a teacher in Head Start, or a home visitor, among other professional roles. Students will have a choice of specialty areas: infant/toddler, preschool, or family child care, and will complete 240 supervised practicum hours as part of the curriculum. Some courses in the program may not transfer to other institutions. Students intending to transfer should seek advisor assistance to determine transferability.

For the corresponding relationship of the Early Childhood Education coursework to the Oregon Registry: Pathways to Professional Recognition in Childhood Care and Education, visit http://www.pdx.edu/occd/oregon-registry-2 and click on Oregon Registry.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take the college placement test to determine skill level and readiness in math, reading and writing. 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.

For all early childhood classes, students are required to visit community classrooms to observe children, teachers, and/or classroom environments. In order for students to be permitted into many such sites, it is necessary to be enrolled in the Criminal History Registry. This registry is through the Oregon Office of Child Care and is not the same registry used by school districts. This can be accomplished by visiting the RCC Early Childhood Elementary Education Department website and clicking on "Criminal Background Check." On the Criminal History Registry application, pay attention to specific instructions for RCC students completing the form. The cost is $3 (unless you have lived outside of Oregon within the past 18 months) and must be submitted with the form. You must complete this process as soon as possible so that you are ready with your registry number when you need to complete your observation assignments. Your registry enrollment is valid for two years.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC ECEE Department website and clicking on “Measles Immunization.” Completed forms must be submitted to a department secretary.

Students must also obtain a RCC student identification card. RCC photos will be taken on a scheduled basis in the Student Services area on the Redwood Campus, Grants Pass (541-956-7090), or upstairs in G Building at the Riverside Campus, Medford (541-245-7560). Students should take their schedules to obtain an identification card. Take the identification card each time an observation is scheduled in an early childhood setting.

For some classes, early childhood education students are required to use the Redwood Early Childhood Center, which is a Head Start site. Therefore, all students in the Early Childhood Education program must obtain prior clearance from Head Start. The process for doing this is on the Southern Oregon Head Start website, www.soheadstart.org. Click on ‘Volunteer’ and then on ‘Download Volunteer Packet.’ A criminal history check (see above) and required paperwork must be completed before observing or participating at a Head Start site.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Early Childhood Education Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Each College Now credit student must meet with the department chair to determine placement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Completion Requirements
Students completing the required credits in this program with a grade of “C” or better will receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Three hundred (300) hours of supervised practicum are required unless a waiver is granted for approved activities.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS ______</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT115 Business English I or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 0-12

First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Term</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE125</td>
<td>Early Childhood Development ³</td>
<td>3</td>
</tr>
<tr>
<td>ECE126</td>
<td>Early Childhood Education Best Practices ³</td>
<td>3</td>
</tr>
<tr>
<td>ECE152</td>
<td>Fostering Creativity</td>
<td>3</td>
</tr>
<tr>
<td>ECE161</td>
<td>Infant/Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Term | | |
| ECE135     | Applied Child Development ³ | 3 |
| ECE136     | Early Childhood Education: A Professional Overview ³ | 3 |
| ECE151     | Guiding Children in Group Settings | 3 |
### Table: Early Childhood Education Certificate of Completion

**About the Program**
The Early Childhood Education four-term certificate program prepares students to work with young children from birth through 8 years of age and their families in a variety of settings including child care centers, family child care, preschools, Head Start, school age programs, home visiting, and parent education. It is planned to accommodate both full- and part-time students including those currently employed in the field.

The program has as its basis preparation for the Child Development Associate (CDA) credential. Students may choose to complete the CDA assessment process and be eligible for entry-level jobs at that point. The CDA preparation courses serve as the foundation of the core coursework for the Early Childhood Education certificate, a one-year certificate which prepares students to work as teacher assistants or teachers in child care programs, Head Start, or other early childhood settings.

For the corresponding relationship of the Early Childhood Education coursework to the Oregon Registry: Pathways to Professional Recognition in Childhood Care and Education, go to [http://www.pdx.edu/occd/oregon-registry-2](http://www.pdx.edu/occd/oregon-registry-2) and click on Oregon Registry.

For more information contact the Early Childhood and Elementary Education Department:

- Grants Pass: 541-956-7066
- Medford: 541-245-7504
- Toll free in Oregon: 800-411-6508, Ext. 7066 or 7504
- Web address: [roguecc.edu/ecee](http://roguecc.edu/ecee)
- TTY: [Oregon Telecom Relay Service, 711](http://www.roguecc.edu/ecee)

### Second Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE199</td>
<td>Selected Topics in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECE242</td>
<td>Parenting Education and Family Support</td>
<td>3</td>
</tr>
<tr>
<td>ECE258</td>
<td>Early Childhood Home Visitation</td>
<td>3</td>
</tr>
<tr>
<td>ECE295</td>
<td>Management of Early Childhood Programs</td>
<td>3</td>
</tr>
<tr>
<td>ED165</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE280</td>
<td>Cooperative Work Experience/Early Childhood Education</td>
<td>variable</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SPAN101,102,103</td>
<td>First Year Spanish I, II, III</td>
<td>4-4</td>
</tr>
<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
</tbody>
</table>

1. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
2. Some courses are also offered as Web-based courses. Contact the Early Childhood Education Department chair for more information.
3. These CDA core courses are also available in three (3) modularized units of one credit each. It is not necessary to have completed WR115 to take these modularized courses. However, for students not wanting a CDA credential, alternative courses may be allowed. See an advisor for more information.

### Total Second Year Credits

| Total Second Year Credits | 53 |
| Total Program Credits     | 96-100 |
Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take the college placement test to determine skill level and readiness in math, reading and writing. 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.

For all early childhood classes, students are required to visit community classrooms to observe children, teachers, and/or classroom environments. In order for students to be permitted into many such sites, it is necessary to be enrolled in the Criminal History Registry. This registry is through the Oregon Office of Child Care and is not the same registry used by school districts. This can be accomplished by visiting the RCC Early Childhood Elementary Education Department website and clicking on “Criminal Background Check.”

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Early Childhood Education Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement and approval.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students completing the required credits in this program with a grade of “C” or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹</td>
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<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BT115 Business English 1 or higher level composition ²</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Prerequisite Credits</strong></td>
<td><strong>3-12</strong></td>
</tr>
</tbody>
</table>

Required Program Courses ³

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>First Term</strong></td>
<td></td>
</tr>
<tr>
<td>ECE125</td>
<td>Early Childhood Development ⁴</td>
<td>3</td>
</tr>
<tr>
<td>ECE126</td>
<td>Early Childhood Education Best Practices ⁴</td>
<td>3</td>
</tr>
<tr>
<td>ECE152</td>
<td>Fostering Creativity</td>
<td>3</td>
</tr>
<tr>
<td>HE250</td>
<td>Personal Health or</td>
<td></td>
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<tr>
<td></td>
<td>HPE295 Health and Fitness for Life</td>
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<tr>
<td></td>
<td><strong>Second Term</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td>ECE135</td>
<td>Applied Child Development ⁴</td>
<td>3</td>
</tr>
<tr>
<td>ECE136</td>
<td>Early Childhood Education: A Professional Overview ⁴</td>
<td>3</td>
</tr>
<tr>
<td>ECE151</td>
<td>Guiding Children in Group Settings</td>
<td>3</td>
</tr>
<tr>
<td>ECE154</td>
<td>Children’s Literature and Literacy</td>
<td>3</td>
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<tr>
<td>ED170</td>
<td>Introductory Practicum</td>
<td>1</td>
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<tr>
<td></td>
<td><strong>Third Term</strong></td>
<td><strong>13</strong></td>
</tr>
<tr>
<td>ECE163</td>
<td>Preschool/Primary Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE175</td>
<td>Developmentally Appropriate Practices</td>
<td>3</td>
</tr>
<tr>
<td>ED170</td>
<td>Introductory Practicum</td>
<td>1</td>
</tr>
<tr>
<td>ECE246</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Fourth Term</strong></td>
<td><strong>13</strong></td>
</tr>
<tr>
<td>ECE161</td>
<td>Infant/Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE250</td>
<td>Infant/Toddler Environments or ECE251 Preschool Environment or ECE252 Family Child Care Environments</td>
<td>3</td>
</tr>
<tr>
<td>ECE266</td>
<td>Spanish for Early Childhood /Elementary Professionals</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MTH60 Fundamentals of Algebra I or higher level math as designated by placement test score (MTH105 or higher recommended for transfer) or BT110 Business Math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Approved program elective(s)</td>
<td>0-3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL PROGRAM CREDITS</strong></td>
<td><strong>51-54</strong></td>
</tr>
</tbody>
</table>

Approved Program Electives

(a maximum of 3 credits allowed)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE199</td>
<td>Selected Topics in Early Childhood Education</td>
<td>1-3</td>
</tr>
<tr>
<td>ECE280</td>
<td>Cooperative Work Experience/Early Childhood Education</td>
<td>variable</td>
</tr>
<tr>
<td>WR115</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
</tbody>
</table>

¹ Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this graduation requirement.

² Required for graduation.

³ Some courses are also offered as Web-based computer courses. Contact the Early Childhood and Elementary Education Department chair for more information.

⁴ These CDA core courses are also available in three (3) modularized units of one credit each. It is not necessary to have completed WR115 to take these modularized courses.

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For more information contact the Early Childhood and Elementary Education Department:
Grants Pass .................................................. 541-956-7066
Medford .......................................................... 541-245-7504
Toll free in Oregon ............................................ 800-411-6508, Ext. 7066 or 7504
email .............................................................. ecee@roguecc.edu
Web address .................................................... www.roguecc.edu/ecee
TTY ............................................................... Oregon Telecom Relay Service, 711

Early Childhood Education (Basic)
Career Pathways Certificate

About the Program
The Early Childhood Education program prepares students to work with young children from birth through 8 years of age and their families in a variety of settings including child care centers, family child care, preschools, Head Start, school age programs, home visiting, and parent education. It is planned to accommodate both full- and part-time students including those currently employed in the field.

The program has as its foundation the one-term basic certificate which also fulfills the formal training requirement for the Child Development Associate (CDA) credential. The basic certificate prepares students to work in entry-level positions in child care programs, Head Start, or other early childhood settings. Students may choose to complete the CDA assessment process to achieve the CDA credential. The early childhood basic certificate is the first step in the Early Childhood Education career pathway leading to the intermediate certificate, the one-year certificate, and the AAS degree.

For the corresponding relationship of the Early Childhood Education coursework to the Oregon Registry: Pathways to Professional Recognition in Childhood Care and Education, go to http://www.pdx.edu/occd/oregon-registry-2 and click on Oregon Registry.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take the college placement test to determine skill level and readiness in reading, writing, and math. Students must score above RD30 and WR30 in order to take ECE coursework, but no minimal score is required in math. Students taking designated classes through The Job Council may defer taking the placement test until they have completed CDA coursework. For more information, call 541-956-7066.

For all early childhood classes, students are required to visit community classrooms to observe children, teachers, and/or classroom environments. In order for students to be per-mitted into many such sites, it is necessary to be enrolled in the Criminal History Registry. This registry is through the Oregon Office of Child Care and is not the same registry used by school districts. This can be accomplished by visiting the RCC Early Childhood Elementary Education Department website, and clicking on “Criminal Background Check.” On the Criminal History Registry application, pay attention to specific instructions for RCC students completing the form. The cost is $3 (unless you have lived outside of Oregon within the past 18 months) and must be submitted with the form. You must complete this process as soon as possible so that you are ready with your registry number when you need to complete your observation assignments. Your registry enrollment is valid for two years.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC ECEE Department website and clicking on “Measles Immunization.” Completed forms must be submitted to a department secretary.

Students must also obtain an RCC student identification card. RCC photos will be taken on a scheduled basis in the Student Services area on the Redwood Campus, Grants Pass (541-956-7090), or upstairs in G Building at the Riverside Campus, Medford (541-245-7500). Students should take their schedules to obtain an identification card. Take the identification card each time an observation is scheduled in early childhood setting.

For some classes, early childhood education students are required to use the Redwood Early Childhood Center, which is a Head Start site. Therefore, all students in the Early Childhood Education program must obtain clearance from Head Start. The process for doing this is on the Southern Oregon Head Start website, www.soohc.org. Click on “Volunteer” and then on “Download Volunteer Packet.” A criminal history check (see above) and required paperwork must be completed before observing or participating at a Head Start site.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Early Childhood Education Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now student must meet with the department chair to determine placement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Completion Requirements
Students completing the required credits in this program with a grade of “C” or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

---

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/
Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score as shown on current indicator chart</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score as shown on current indicator chart</td>
<td>0-4</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits** 0-8

Required Program Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE125</td>
<td>Early Childhood Development ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECE126</td>
<td>Early Childhood Education Best Practices ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECE135</td>
<td>Applied Child Development ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECE136</td>
<td>Early Childhood Education: A Professional Overview ¹</td>
<td>3</td>
</tr>
<tr>
<td>ED170</td>
<td>Introductory Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Program Credits** 13

¹ Also offered online and through College Now credit within high schools, or through The Job Council's Child Care Resource Network. Contact the Early Childhood and Elementary Education Department head for more information.

For more information contact the Early Childhood and Elementary Education Department:

- Grants Pass ................................................ 541-956-7066
- Medford .................................................... 541-245-7504
- Toll free in Oregon ........................................ 800-411-6508, Ext. 7066 or 7504
- email .......................................................... ecee@roguecc.edu
- Web address .................................................. www.roguecc.edu/ecee
- TTY ......................................................... Oregon Telecom Relay Service, 711

Early Childhood Education (Intermediate) Career Pathways Certificate

About the Program

The Early Childhood Education three-term program prepares students to work with young children from birth through 8 years of age and their families in a variety of settings including child care centers, family child care, preschools, Head Start, school age programs, home visiting, and parent education. It is planned to accommodate both full- and part-time students including those currently employed in the field.

The program has as its foundation the basic certificate which also fulfills the formal training requirement for the Child Development Associate (CDA) credential. The three-term intermediate certificate is the second step on the career pathway leading to the one-year certificate and the AAS degree. The intermediate certificate prepares students to work as teacher assistants in child care programs, Head Start, or other early childhood settings.

For the corresponding relationship of the early childhood education coursework to the Oregon Registry: Pathways to Professional Recognition in Childhood Care and Education, go to http://www.pdx.edu/occd/oregon-registry-2 and click on Oregon Registry.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take the college placement test to determine skill level and readiness in reading, writing, and math. 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.

For all early childhood classes, students are required to visit community classrooms to observe children, teachers, and/or classroom environments. In order for students to be permitted into many such sites, it is necessary to be enrolled in the Criminal History Registry. This registry is through the Oregon Office of Child Care and is not the same registry used by school districts. This can be accomplished by visiting the RCC Early Childhood Elementary Education Department website and clicking on “Criminal Background Check.” On the Criminal History Registry application, pay attention to specific instructions for RCC students completing the form. The cost is $3 (unless you have lived outside of Oregon within the past 18 months) and must be submitted with the form.

You must complete this process as soon as possible so that you are ready with your registry number when you need to complete your observation assignments. Your registry enrollment is valid for two years.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC ECEE Department website and clicking on “Measles Immunization.” Completed forms must be submitted to a department secretary.

Students must also obtain an RCC student identification card. RCC photos will be taken on a scheduled basis in the Student Services area on the Redwood Campus, Grants Pass (541-956-7090), or upstairs in G Building at the Riverside Campus, Medford (541-245-7504). Students should take their schedules to obtain an identification card. Take the identification card each time an observation is scheduled in an early childhood setting.

For some classes, early childhood education students are required to use the Redwood Early Childhood Center, which is a Head Start site. Therefore, all students in the Early Childhood Education program must obtain prior clearance from Head Start. The process for doing this is on the Southern Oregon Head Start website, www.soclc.org. Click on “Volunteer” and then on “Download Volunteer Packet.” A criminal history check (see above) and required paperwork must be completed before observing or participating at a Head Start site.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Early Childhood Education Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.
### Early Childhood Education (Basic), Career Pathways Certificate (13 credits)
- Entry-level daycare provider, child care worker, or nanny 1

### Early Childhood Education (Intermediate), Career Pathways Certificate (32 credits)
- Daycare provider, child care worker, or nanny 1
- Teacher aides/assistants 1

### Early Childhood Education, Certificate of Completion (51-54 credits)
- Daycare provider, child care worker, or nanny 1
- Preschool teacher 1
- Teacher assistant 1

### Early Childhood Education, Associate of Applied Science (AAS) (94-100 credits)
- Preschool and child care administrators 1

### Early Childhood Development SOU, Bachelor’s articulated with RCC’s AS degree
- Preschool teacher 1

### Early Childhood Development SOU, Master’s degree
- Elementary school administrator 1
- Special education teacher 1

### Elementary Education with continuing license, SOU, Master’s degree
- Elementary school administrator 1
- Special education teacher 1

### Elementary Education, Associate of Science (AS) (108-112 credits)
- Preschool and child care administrators 1

### Management, SOU, Bachelor of Applied Science articulated with RCC’s AS degree
- Supervisor/manager 1
- Business owner 1

### Elementary Education, Associate Science (AS) (90-100 credits)
- Preschool and child care administrators 1

### Elementary Education Development SOU, Bachelor’s articulated with RCC’s AS degree
- Kindergarten teacher 1
- Elementary school teacher 1

### Elementary Education Development SOU, Bachelor’s articulated with RCC’s AS degree
- Management, SOU, Bachelor of Applied Science articulated with RCC’s AS degree
- Supervisor/manager 1
- Business owner 1

### Elementary Education with continuing license, SOU, Master’s degree
- Elementary school administrator 1
- Special education teacher 1

### Education – Elementary Interest Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for an education-elementary major vary at each university. Students applying to the Master of Arts in Teaching program (MAT) are required to complete the following:

- Twelve (12) hours in science, with at least one course in a physical science and one course in a biological science and one course in social science – one course in history, one course in geography and one course in behavioral science (psychology, sociology, anthropology)

### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI101</td>
<td>Introduction to Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI102</td>
<td>Introduction to Biology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>MTH211</td>
<td>Fundamentals of Elementary Math I</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH212</td>
<td>Fundamentals of Elementary Math II</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH213</td>
<td>Fundamentals of Elementary Math III</td>
<td>4</td>
<td>Math</td>
</tr>
</tbody>
</table>

Oregon public universities offering degrees in this subject:
- Western Oregon University  www.wou.edu
- Oregon State University  www.oregonstate.edu
- University of Oregon  www.uoregon.edu
- Eastern Oregon University  www.eou.edu

### Electrician Apprenticeship Technologies Associate of Applied Science Degree

**About the Program**

The Electrician Apprenticeship Technologies program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The degree is available only to BOLI-registered apprentices or electricians holding a journey-level card. If you are interested in becoming a registered appren-
rice in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports the following BOLI-ATD trades: limited maintenance electrician (4,000-hour trade); inside electrician, limited manufacturing plant electrician, and sign maker/erector (8,000-hour trade).

The AAS degree is a credential within Rogue Community College's Electrician Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech. The degree features general education courses prescribed by Rogue Community College, related training credits previously earned in the certificate of completion, college credit for an earned journey-level card, and some industry electives. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

### Entry Requirements

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

### Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

### Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This degree does not guarantee licensure.

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or PSY101 Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CS</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I</td>
<td>1</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra 1 or higher level math</td>
<td>1</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid</td>
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</tbody>
</table>

**Total General Education Credits:** 16-20

### Credit for Prior Certification

(Work-based Learning)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR105</td>
<td>Apprenticeship Credit for Prior Learning</td>
<td>11-22</td>
</tr>
<tr>
<td>• Limited Maintenance Electrician – 11 credits</td>
<td>11-22</td>
<td></td>
</tr>
<tr>
<td>• Inside Electrician – 22 credits</td>
<td>11-22</td>
<td></td>
</tr>
<tr>
<td>• Manufacturing Plant Electrician – 22 credits</td>
<td>11-22</td>
<td></td>
</tr>
<tr>
<td>• Sign Maker/Erector – 22 credits</td>
<td>11-22</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit for Prior Certification:** 11-22

### Related Training

### Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>————-</td>
<td>————-</td>
<td>————-</td>
</tr>
</tbody>
</table>

**MINIMUM TOTAL PROGRAM CREDITS REQUIRED** 90

1. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
2. In lieu of WR115 and WR121, students may substitute BT113 Business English I and BT114 Business English II (7-8 credits total); or BT113 Business English I (or WR115 Introduction to Expository Writing) and three credits of speech (SP100 Basic Communication, SP111 Fundamentals of Public Speaking, or SP218 Interpersonal Communication), 6-8 credits total.
3. A maximum of 22 credits can be earned for documented work-based learning for registered apprentices and journey persons. Students must provide a State of Oregon Apprenticeship Training Journeymen card or BOLI-ATD certificate. For more information contact the Apprenticeship Department:

Grants Pass or Medford: 541-245-7912
Toll free in Oregon: 800-411-6508, Ext. 7912
Email: apprenticeship@roguecc.edu
Web address: www.roguecc.edu/apprenticeship
TTY: Oregon Telecom Relay Service, 711

### Electrician Apprenticeship Technologies

#### Certificate of Completion

**About the Program**

The Electrician Apprenticeship Technologies program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The certificate is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports the following 8,000-hour BOLI-ATD trades: inside electrician, limited manufacturing plant electrician, and sign maker/erector.

This certificate is a credential within Rogue Community College's Electrician Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor's of science degree at Oregon Tech. The certificate features general education courses prescribed by Rogue Community College and related training credits focusing on the repair or installation of electrical wire devices according to NEC and OSHC code. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.
Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td></td>
</tr>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency¹</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or</td>
<td>4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or higher level math</td>
<td></td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository/Writing or higher level composition</td>
<td>2</td>
</tr>
</tbody>
</table>

Total General Education Credits: 10-14

Related Training

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>———</td>
<td>Credit toward the certificate earned through related apprenticeship training classes in these trades:</td>
<td>39-48</td>
</tr>
<tr>
<td>———</td>
<td>• Inside Electrician – 48 credits</td>
<td></td>
</tr>
<tr>
<td>———</td>
<td>• Manufacturing Plant Electrician – 46 credits</td>
<td></td>
</tr>
<tr>
<td>———</td>
<td>• Sign Maker/Erector – 39 credits</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS REQUIRED: 49-62

¹ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Apprenticeship coordinator:
Grants Pass or Medford ............................................ 541-245-7912
Toll free in Oregon ................................................ 800-411-6508, Ext. 7912
e-mail ................................................................. apprenticeships@roguecc.edu
Web address .......................................................... www.roguecc.edu/apprenticeship
TTY ................................................................. Oregon Telecom Relay Service, 711

Electrician Apprenticeship Technologies: Limited Electrician Apprenticeship Technologies
Certificate of Completion

About the Program

The Limited Electrician Apprenticeship Technologies less than one-year certificate program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. This certificate is available only to BOLL-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports the following 4,000-hour BOLL-ATD trade: limited maintenance electrician.

The certificate is a credential within Rogue Community College’s Electrician Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech. The certificate features related training credits specific to the limited maintenance electrician trade in order to repair or install electrical wire devices according to NEC and OSHC code. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

Related Training

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>———</td>
<td>Credit toward the certificate earned through related apprenticeship training classes in this trade:</td>
<td>24</td>
</tr>
<tr>
<td>———</td>
<td>• Limited Maintenance Electrician – 24 credits</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS REQUIRED: 24
For more information contact the Apprenticeship Department:
Grants Pass or Medford ........................................... 541-245-7912
Toll free in Oregon ............................................. 800-411-6508, Ext. 7912
email ..................................................... apprenticeship@roguecc.edu
Web address ........................................... www.roguecc.edu/Workforce/Apprenticeship
TTY .................................................. Oregon Telecom Relay Service, 711

Electronics Technician Certificate of Completion

About the Program
The Electronics Technician four-term certificate program is designed for students seeking entry-level electronics technician positions in manufacturing or service industries. The program emphasizes theory fundamentals, practical troubleshooting, and basic electronics design as well as general studies courses. Technical courses involve extensive lab work using industry standard test equipment and practices.

This program will help students gain skills for entry into one of today’s most dynamic and broad-based technical fields. Typical occupations include those of field engineers in business or communications fields, or line/maintenance technicians at manufacturing sites. Electronics training also provides excellent positioning for lateral movement into areas such as technical sales or technical writing.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit http://www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with courses within their skill levels as determined by placement test scores. Students are also required to complete all prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology Department chair’s recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services Office and the Electronics Technology Department.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS___</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra 1 or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>Total Prerequisite Credits</td>
<td></td>
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</table>

Required Courses

<table>
<thead>
<tr>
<th>Term</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>First Term</td>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>EET125</td>
<td>Electronics Fundamentals I (DC)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>MTH65</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15</td>
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<tr>
<td>Second Term</td>
<td>EET126</td>
<td>Electronics Fundamentals II (AC)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>EET130</td>
<td>Digital Fundamentals I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>13</td>
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<tr>
<td>Third Term</td>
<td>EET131</td>
<td>Digital Fundamentals II</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>HE112</td>
<td>Emergency First Aid or approved health elective (see this catalog for approved list of electives)</td>
<td>1-3</td>
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<tr>
<td></td>
<td>WR115</td>
<td>Introduction to Expository Writing or WR121 English Composition I</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Approved program elective(s)</td>
<td>2-3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>12-16</td>
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<tr>
<td>Fourth Term</td>
<td>EET140</td>
<td>Solid State Fundamentals</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>PSY101</td>
<td>Psychology of Human Relations or BT101 Human Relations in Organizations</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>Approved program elective(s)</td>
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<td></td>
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</table>

TOTAL PROGRAM CREDITS: 52-58

Approved Program Electives
(One or more courses totaling 4-7 credits required)

<table>
<thead>
<tr>
<th>Term</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>BT121</td>
<td>Digital Marketing and e-Commerce</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CS___</td>
<td>Any computer science course, CS120 or above</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>EET101</td>
<td>Introduction to Electronics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EET106</td>
<td>Electronic Assembly</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EET113</td>
<td>Exploration of Alternative Energies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EET118</td>
<td>Introduction to Renewable Energy Systems</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>EET132</td>
<td>Digital Fundamentals III</td>
<td>5</td>
</tr>
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<td></td>
<td>EET180</td>
<td>Cooperative Work Experience/Electronics</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>EET180S</td>
<td>Cooperative Work Experience Seminar/Engineering</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>EET199</td>
<td>Selected Topics in Technology</td>
<td>1-6</td>
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<tr>
<td></td>
<td>EET215</td>
<td>Operational Amplifiers and Linear Integrated Circuits</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>EET220</td>
<td>Solid State Devices</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>EET225</td>
<td>Electronics Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EET230</td>
<td>Radio Frequency Communications Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>EET240</td>
<td>Microcontrollers I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>GS104</td>
<td>Physical Science w/lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MET121</td>
<td>CAD I: Mechanical (Solid Works)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MET122</td>
<td>CAD II: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MET160</td>
<td>Materials and Metallurgy</td>
<td>3</td>
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<tr>
<td></td>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
</tr>
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<td></td>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MFG230</td>
<td>Statistics and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MTH60R</td>
<td>Fundamentals of Algebra I Recitation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MTH65</td>
<td>Fundamentals of Algebra II or higher level math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MTH65R</td>
<td>Fundamentals of Algebra II Recitation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MTH95R</td>
<td>Intermediate Algebra Recitation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>WLD101</td>
<td>Welding Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>
About the Program
The Electronics Technology Associate of Applied Science degree provides students the necessary skills for entry into one of today’s most dynamic and broad-based technical fields. The program emphasizes electronic theory fundamentals, troubleshooting and design, and involves both highly technical and general studies courses. Advanced courses include radio frequency and microwave communications, PC hardware, and microcontrollers and interfacing. Typical occupations include those of electronics test technicians at manufacturing sites or field engineers in the communications industry.

The technical courses involve extensive lab work using industry standard test equipment and practices. As a capstone, students design and build an electronics project to demonstrate their proficiency of program outcomes. The AAS degree can be used for technical block transfers to four-year institutions’ basic engineering programs, although continuing students will be advised to take additional transfer courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with courses within their skill levels as determined by placement test scores. Students are required to complete any prerequisites on this guide. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and with the Electronics Technology Department chair’s recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the RCC Enrollment Services Office.

Graduation Requirements
Students are required to complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS__</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency¹</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>Total Prerequisite Credits</td>
<td></td>
<td>0-16</td>
</tr>
</tbody>
</table>

First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td>EET125</td>
<td>Electronics Fundamentals I (DC)</td>
<td>6</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score as shown on current indicator chart, and either SP100 Basic Communication or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication²</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET126</td>
<td>Electronics Fundamentals II (AC)</td>
<td>7</td>
</tr>
<tr>
<td>EET130</td>
<td>Digital Fundamentals I</td>
<td>6</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET131</td>
<td>Digital Fundamentals II</td>
<td>6</td>
</tr>
<tr>
<td>EET140</td>
<td>Solid State Fundamentals</td>
<td>7</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
</tbody>
</table>

Total First Year Credits 53-54

Second Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS227</td>
<td>PC Hardware Fundamentals and Repair</td>
<td>5</td>
</tr>
<tr>
<td>EET215</td>
<td>Operational Amplifiers and Linear Integrated Circuits</td>
<td>5</td>
</tr>
<tr>
<td>EET220</td>
<td>Solid State Devices</td>
<td>6</td>
</tr>
</tbody>
</table>

Fifth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET225</td>
<td>Electronics Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>EET230</td>
<td>Radio Frequency Communications Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td>EET240</td>
<td>Microcontrollers I</td>
<td>5</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid or approved health/first aid elective (see this catalog for approved list of electives)</td>
<td>1</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or BT101 Human Relations in Organizations</td>
<td>3</td>
</tr>
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</table>

Sixth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET205</td>
<td>International Society of Certified Electronics Technicians (ISCET) Certification Preparation</td>
<td>1</td>
</tr>
<tr>
<td>EET235</td>
<td>Microwave Applications</td>
<td>5</td>
</tr>
<tr>
<td>EET241</td>
<td>Microcontrollers II</td>
<td>5</td>
</tr>
<tr>
<td>EET250</td>
<td>Prototype Development and Documentation or EET280 Cooperative Work Experience/Electronics Approved program elective(s)</td>
<td>0-5</td>
</tr>
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</table>

Total Second Year Credits 49-54

TOTAL PROGRAM CREDITS 102-108
## Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
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<tr>
<td>BT121</td>
<td>Digital Marketing and e-Commerce</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CS_____</td>
<td>Any computer science course, CS125 or above</td>
<td>3-4</td>
</tr>
<tr>
<td>EET101</td>
<td>Introduction to Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EET106</td>
<td>Electronics Assembly</td>
<td>3</td>
</tr>
<tr>
<td>EET113</td>
<td>Exploration of Alternative Energies</td>
<td>3</td>
</tr>
<tr>
<td>EET118</td>
<td>Introduction to Renewable Energy Systems</td>
<td>5</td>
</tr>
<tr>
<td>EET132</td>
<td>Digital Fundamentals III</td>
<td>5</td>
</tr>
<tr>
<td>EET180S/280S</td>
<td>Cooperative Work Experience Seminar/Electronics</td>
<td>1</td>
</tr>
<tr>
<td>EET199</td>
<td>Selected Topics in Technology</td>
<td>1-5</td>
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<tr>
<td>GS04</td>
<td>Physical Science with lab</td>
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</tr>
<tr>
<td>GS05</td>
<td>Physical Science: Chemistry with lab</td>
<td>4</td>
</tr>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
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</tr>
<tr>
<td>MET121</td>
<td>CAD I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET122</td>
<td>CAD II: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
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<tr>
<td>MFG211</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>MFG220</td>
<td>Research and Development Prototyping</td>
<td>4</td>
</tr>
<tr>
<td>MFG230</td>
<td>Statistics and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>MFG241</td>
<td>CNC Programming – Mill</td>
<td>4</td>
</tr>
<tr>
<td>MFG242</td>
<td>CAM I: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>MFG243</td>
<td>CAM II: Mastercam</td>
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<td>MFG244</td>
<td>CNC Programming – Lathe</td>
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<tr>
<td>MTH60R</td>
<td>Fundamentals of Algebra II or higher level math</td>
<td>4-5</td>
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<td>Fundamentals of Algebra I Recitation</td>
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<tr>
<td>MTH65R</td>
<td>Fundamentals of Algebra II Recitation</td>
<td>1</td>
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<td>MTH65R</td>
<td>Fundamentals of Algebra II Recitation</td>
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<tr>
<td>MTH95R</td>
<td>Intermediate Algebra Recitation</td>
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<td>MTH111R</td>
<td>College Algebra Recitation</td>
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<tr>
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<td>Elementary Functions Recitation</td>
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<tr>
<td>SP101</td>
<td>Fundamentals of Public Speaking (if not taken as a required course)</td>
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<td>WR122</td>
<td>English Composition II (if not taken as a required course)</td>
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<td>WLD101</td>
<td>Welding Fundamentals</td>
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<tr>
<td>WR227</td>
<td>Technical Writing</td>
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</tbody>
</table>

1 Required for graduation. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 If students test out of WR115, they may take WR122 instead of speech upon completion of WR115.

For more information contact the Electronics Technology Department:
Grants Pass or Medford ........................................... 541-245-7809
Toll free in Oregon ............................................... 800-411-6508, Ext. 7809
e-mail ................................................................. electronics@roguecc.edu
Web address .......................................................... www.roguecc.edu/electronics
TTY ................................................................. Oregon Telecom Relay Service, 711

---

### Elementary Education Transfer to Southern Oregon University Associate of Science Degree

#### About the Program

Based on a signed articulation agreement, Rogue Community College (RCC) and Southern Oregon University (SOU) School of Education offer an Associate of Science degree for students who wish to ultimately obtain a teaching credential with early childhood (pre-kindergarten through fourth grade) and/or elementary authorization (third through sixth grades).

This degree was developed as a cooperative venture between SOU and RCC and offers knowledge and application components drawn from curriculum at both institutions. The degree transfers directly into the bachelor's degree program in Elementary Education at SOU. If a student’s career goal is to teach in an elementary school, successful completion of the bachelor’s degree will lead to an initial teaching license.

Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees. Students must work closely with their advisors to ensure transferability of this program. If students transfer before completing this degree or in a major not covered by prior agreements, their courses will be evaluated individually toward the transfer requirements of the college of their choice.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline, see www.roguecc.edu/Programs/LearningOutcomes.

#### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

For all early childhood classes, students are required to visit community classrooms to observe children, teachers, and/or classroom environments. In order for students to be pre-minted into many such sites, it is necessary to be enrolled in the Criminal History Registry. This registry is through the Oregon Office of Child Care and is not the same registry used by school districts. This can be accomplished by visiting the RCC Early Childhood Elementary Education Department website and clicking on "Criminal Background Check." On the Criminal History Registry application, pay attention to specific instructions for RCC students completing the form. The cost is $3 (unless you have lived outside of Oregon within the past 18 months) and must be submitted with the form. You must complete this process as soon as possible so that you are ready with your registry number when you need to complete your observation assignments. Your registry enrollment is valid for two years.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC ECEE Department website and clicking on "Measles Immunization." Completed forms must be submitted to a department secretary.

For some classes, early childhood education students are required to use the Redwood Early Childhood Education Center, which is a Head Start site. Therefore, all students in the Early Childhood Education program must provide proof of measles immunization by completing the form found on the RCC ECEE Department website and clicking on "Measles Immunization." Completed forms must be submitted to a department secretary.

For some classes, early childhood education students are required to use the Redwood Early Childhood Education Center, which is a Head Start site. Therefore, all students in the Early Childhood Education program must provide proof of measles immunization by completing the form found on the RCC ECEE Department website and clicking on "Measles Immunization." Completed forms must be submitted to a department secretary.

#### Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each CollegeNOW credit student must meet with the department chair to determine placement.

#### Graduation Requirements

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

#### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS_____</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH96</td>
<td>Applied Algebra II</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td>BT113 Business English I or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-16
## First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE100</td>
<td>Introduction to Early Childhood Education (ECE) or</td>
<td>3</td>
</tr>
<tr>
<td>ECE163</td>
<td>Early Childhood/Elementary (ELEM)</td>
<td>3</td>
</tr>
<tr>
<td>LIB212</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities elective 1</td>
<td>4</td>
</tr>
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</table>

## Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE153</td>
<td>Guiding Children in Group Settings</td>
<td>3</td>
</tr>
<tr>
<td>ED170</td>
<td>Observational Practicum</td>
<td>1</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II or</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved social science (history) elective</td>
<td>4</td>
</tr>
</tbody>
</table>

## Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE175</td>
<td>Developmentally Appropriate Practices (ECE) or</td>
<td>3</td>
</tr>
<tr>
<td>ED200</td>
<td>Introductory Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HE290</td>
<td>Personal Health or</td>
<td>3</td>
</tr>
<tr>
<td>GEOG110</td>
<td>Introduction to Cultural and Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved science (history) elective</td>
<td>4</td>
</tr>
</tbody>
</table>

## Total First Year Credits

44-51

## Second Year Required Courses

### Fourth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE246</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>MTH211</td>
<td>Fundamentals of Elementary Math I w/lab 3</td>
<td>5</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities elective 2</td>
<td>3-4</td>
</tr>
<tr>
<td>——</td>
<td>Approved lab science elective 4</td>
<td>4-5</td>
</tr>
</tbody>
</table>

## Fifth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE244</td>
<td>Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE256</td>
<td>Primary Curriculum (ECE)</td>
<td>3</td>
</tr>
<tr>
<td>MTH212</td>
<td>Fundamentals of Elementary Math II w/lab 5</td>
<td>5</td>
</tr>
<tr>
<td>——</td>
<td>Approved lab science elective 4</td>
<td>4-5</td>
</tr>
</tbody>
</table>

## Sixth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE245</td>
<td>Promoting Social and Emotional Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE248</td>
<td>Children with Disabilities and Their Families or</td>
<td>3</td>
</tr>
<tr>
<td>ECE266</td>
<td>Spanish for Early Childhood/Elementary Professionals</td>
<td>3</td>
</tr>
<tr>
<td>ECE275</td>
<td>Anti-bias Education</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities elective 2</td>
<td>4</td>
</tr>
</tbody>
</table>

## Total Second Year Credits

46-49

## Total Program Credits

90-100

## Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE152</td>
<td>Fostering Creativity</td>
<td>3</td>
</tr>
<tr>
<td>ECE154</td>
<td>Children's Literature and Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ECE241</td>
<td>Promoting Cognitive Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE280</td>
<td>Cooperative Work Experience/Early Childhood Education</td>
<td>Variable</td>
</tr>
<tr>
<td>ECE285</td>
<td>The Early Childhood Professional (ECE)</td>
<td>3</td>
</tr>
<tr>
<td>MTH213</td>
<td>Fundamentals of Elementary Math III</td>
<td>5</td>
</tr>
<tr>
<td>SPAN101,102,103</td>
<td>First Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

1 Successful completion of CS101 or CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

## 2 Approved Humanities Electives

(Complete any three courses, 11-12 credits, from the following list. Courses have been pre-selected to meet Oregon Teacher Standards and Practices Commission licensure preparation. At least one course must be a literature course and one an art history course.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL255,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENGL257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENGL275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM401,402,403</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHL101,102,103</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>TAI41</td>
<td>Fundamentals of Acting</td>
<td>4</td>
</tr>
<tr>
<td>WR241,242,243</td>
<td>Imaginative Writing I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

## 3 Approved Social Science Electives

(Complete at least one history course, a minimum of 4 credits, from the following list.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST104,105</td>
<td>History of World Civilization I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>HIST201,202</td>
<td>History of the United States I, II</td>
<td>4-4</td>
</tr>
</tbody>
</table>
The program is designed for students transferring to its baccalaureate degree program in Embedded Systems Engineering. Students must have completed the first two years and have a minimum GPA of 2.0. Before transfer, students should have completed a course in introductory software design, a course in computer organization, and calculus. Students are advised to obtain written approval from Oregon Tech to guarantee their catalog of transfer for three years.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

**Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

**Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students should be aware that Oregon Tech requires a grade of “B” or better in CS133u and CS233u for transfer.

**Prerequisites**

**Course No.** | **Course Title** | **Credits**
--- | --- | ---
CS___ | Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency | 0.4
EE112 | Introduction to Mechanics | 5
MTH95 | Intermediate Algebra or designated placement test score as shown on current indicator chart | 0.4
RD30 | College Reading or designated placement test score as shown on current indicator chart | 0.4
WR115 | Introduction to Expository Writing or designated placement test score as shown on current indicator chart | 0.3

**Total Prerequisite Credits**: 5-20

**General Education Requirements**

**Course No.** | **Course Title** | **Credits**
--- | --- | ---
LIB127 | Introduction to Academic Research | 1
MTH111 | College Algebra | 4
MTH112 | Elementary Functions | 4
MTH251 | Calculus I (Differential) | 5
MTH252 | Calculus II (Integral) | 5
MTH254 | Vector Calculus | 5
PSY201 | General Psychology I | 4
SP111 | Fundamentals of Public Speaking | 4
WR121 | English Composition I | 2
WR122 | English Composition II | 2
WR227 | Technical Writing | 4
--- | Approved humanities electives | 7-8

**Total General Education Credits**: 51-52

**Core Requirements**

**Course No.** | **Course Title** | **Credits**
--- | --- | ---
CS133u | Introduction to C++ Programming | 4
CS140 | Introduction to Operating Systems | 4
CS233u | Advanced C++ Programming | 4

Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees. Students must work closely with their advisors to ensure transferability. If students transfer before completing this degree or transfer in a major not covered by prior agreements, courses will be evaluated individually toward the transfer requirements of the college of their choice. Students are advised to obtain written approval from Oregon Tech to guarantee their catalog of transfer for three years.
The Emergency Medical Services (EMS) three-term certificate program is accredited by the Oregon Department of Education and the Oregon Health Authority – EMS. It offers career training for entry-level personnel in EMT. Successful completion of the EMT course leads to eligibility to sit for the state and National Registry EMT exams. This program is ideal for students who plan to go on to the Associate of Applied Science degree in Paramedicine. Students not interested in the paramedic level may wish to consider the EMT Career Pathway certificate.

Successful completion of the curriculum leads to a one-year RCC certificate and eligibility to apply for the Paramedicine courses at RCC, at any other Oregon community college offering the associate degree, or at the Oregon Health and Science University.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes (www.bls.gov/SOC/), graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
As part of their training program, students are required to take a placement test to determine skill levels in math, reading and writing. Students must begin with the courses within their skill levels as determined by placement test scores.

This program requires an application and satisfaction of certain course admission criteria prior to enrolling in the EMT courses (ES131, ES132). Information is available on department website (www.roguecc.edu/EmergencyServices/EMS) or at the Emergency Services (ES) Department office located at the RCC Table Rock Campus. Students are strongly encouraged to meet with an ES Department advisor prior to beginning any coursework.

Students must be at least 17 years old to apply to the EMT course. Students must be a high school graduate or have a GED or equivalent for certification. In addition, students must meet the qualifications outlined by the Oregon Health Authority – EMS. Students are required to submit verification of certain immunizations and medical tests. Students will also be required to pass a drug screen and a criminal background investigation prior to their mandatory clinical time.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Emergency Services Department chair’s recommendation. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the Emergency Services Department chair before being accepted toward core requirements.

Graduation Requirements
Students completing all credits outlined in this program with a grade of “C” or better will earn a certificate in Emergency Medical Services. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.
Prerequisites
Students are strongly encouraged to meet with an Emergency Services Department advisor prior to beginning any coursework.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI211</td>
<td>General Biology ¹</td>
<td>4</td>
</tr>
<tr>
<td>CS____</td>
<td>Applied 3-4 credit computer science class, CS120 or above or documented computer proficiency ²</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
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</tbody>
</table>

Total Prerequisite Credits 4-19

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI231</td>
<td>Anatomy and Physiology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>ES105</td>
<td>Introduction to Emergency Services</td>
<td>4</td>
</tr>
<tr>
<td>ES131</td>
<td>EMT Part I</td>
<td>4</td>
</tr>
<tr>
<td>ES131L</td>
<td>EMT Part I Lab</td>
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</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI232</td>
<td>Anatomy and Physiology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>ES132</td>
<td>EMT Part II</td>
<td>4</td>
</tr>
<tr>
<td>ES132L</td>
<td>EMT Part II Lab</td>
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</tr>
<tr>
<td>EMS170</td>
<td>Emergency Communication and Documentation</td>
<td>2</td>
</tr>
<tr>
<td>MTH96</td>
<td>Applied Algebra II or MTH95 Intermediate Algebra or higher level math</td>
<td>4</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI233</td>
<td>Anatomy and Physiology III with lab</td>
<td>4</td>
</tr>
<tr>
<td>EMS205</td>
<td>Crisis Management</td>
<td>3</td>
</tr>
<tr>
<td>ES268</td>
<td>Emergency Patient Transportation or FRP253 Apparatus Driver</td>
<td>2-3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>0-8</td>
</tr>
<tr>
<td>——</td>
<td>——</td>
<td>16-25</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 47-56

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH110</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>ASL101, 102, 103</td>
<td>First Year American Sign Language I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Aseptiveness</td>
<td>1</td>
</tr>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CJ243SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>EMS160</td>
<td>Electrocardiogram (ECG) Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>EMS165</td>
<td>Introduction to Pharmacology for Health Occupations</td>
<td>2</td>
</tr>
<tr>
<td>EMS280</td>
<td>Cooperative Work Experience/EMS</td>
<td>1-6</td>
</tr>
<tr>
<td>FRP251</td>
<td>Firefighter Level I ¹</td>
<td>3</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I Lab ²</td>
<td>5</td>
</tr>
<tr>
<td>FRP261</td>
<td>Hazardous Materials First Responder Operations</td>
<td>1</td>
</tr>
<tr>
<td>FRP285</td>
<td>Fire Instructor I</td>
<td>3</td>
</tr>
<tr>
<td>HC100</td>
<td>Community Health Worker</td>
<td>6</td>
</tr>
<tr>
<td>HCl120</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

HPE295       | Health and Fitness for Life | 3       |
| LIB127     | Introduction to Academic Research | 1       |
| MTH95R     | Intermediate Algebra Recitation | 1       |
| MTH105     | Introduction to Contemporary Mathematics | 4       |
| MTH240     | Probability and Statistics | 4       |
| PSY101     | Psychology of Human Relations or BT101 Human Relations in Organizations | 3       |
| SP111      | Fundamentals of Public Speaking or SP218 Interpersonal Communications | 4       |
| WR185      | Understanding English Grammar | 2       |
| WR227      | Technical Writing | 4       |
| ——         | Any foreign language | 4       |
| ——         | Approved social science elective (see this catalog for approved list of electives) | 3-4 |

¹ BI211 is a prerequisite to BI231; CHEM104 also highly recommended.
² Required for graduation.
³ Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
⁴ FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

For more information contact the Emergency Services Department:
Grants Pass or Medford: 541-245-7965
Toll free in Oregon: 800-411-6508, Ext. 7965
Email: emergencyservicesadvisors@roguecc.edu
Web address: www.roguecc.edu/emergencyservices
TTY: 711 Oregon Telecom Relay Service

Emergency Medical Services: EMT
Career Pathways Certificate

About the Program
The Emergency Medical Technician (EMT) two-term pathway certificate offers career training for entry-level personnel in EMT. Successful completion of the EMT course leads to eligibility to sit for the state and National Registry EMT exams. Successful completion of the curriculum leads to a two-term RCC pathway certificate and the ability to apply for positions as EMTs in hospital emergency departments and ambulance services. It is also the minimum requirement for some firefighter positions.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes (www.bls.gov/OCC/), graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
As part of their training program, students are required to take a placement test to determine skill levels in math, reading and writing. Students must begin with the courses within their skill levels as determined by placement test scores.

This program requires an application and satisfaction of certain course admission criteria prior to enrolling in the EMT certification courses (ES131, ES132). Information is available on the Department website (www.roguecc.edu/EmergencyServices/EMS) or at the Emergency Services (ES) Department office located at the RCC Table Rock Campus. Students are strongly encouraged to meet with an ES Department advisor prior to beginning any coursework.

Students must be at least 17 years old to apply to the EMT course. Students must be a high school graduate or hold a GED and must be at least 17 years old to apply to the EMT course. Students must be at least 17 years old to apply to the EMT course.
Approved Pathway Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BI211</td>
<td>General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CJ243/SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>EMS160</td>
<td>Electrocardiogram (ECG) Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>FRP251</td>
<td>Firefighter Level I 1</td>
<td>3</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I 1 Lab</td>
<td>5</td>
</tr>
<tr>
<td>FRP261</td>
<td>Hazardous Materials Fire Responder Operations</td>
<td>1</td>
</tr>
<tr>
<td>HC100</td>
<td>Community Health Worker</td>
<td>6</td>
</tr>
<tr>
<td>HCH20</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>HPE295</td>
<td>Health and Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or</td>
<td>4</td>
</tr>
<tr>
<td>SP218</td>
<td>Interpersonal Communications</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>————</td>
<td>Approved social science elective</td>
<td>4</td>
</tr>
<tr>
<td>————</td>
<td>Approved list of electives</td>
<td>3-4</td>
</tr>
</tbody>
</table>

1 FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

For more information contact the Emergency Services Department:

Grants Pass or Medford: 541-245-7965
Toll free in Oregon: 800-411-6508, Ext. 7965
Email: emergencyservicesproviders@roguecc.edu
Web address: www.roguecc.edu/emergencyservices
TTY: Oregon Telecom Relay Service, 711

Emerging Media and Digital Arts Transfer to Southern Oregon University
Associate of Science Degree

About the Program

The Associate of Science (AS) degree is based on a signed articulation agreement between Southern Oregon University (SOU). The program is designed for students transferring to its baccalaureate degree program in Emerging Media and Digital Arts (EMDA). Students completing this degree will meet the requirements for the foundation courses within the EMDA degree requirements. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 33-45 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to SOU. Students should be aware, however, that if they transfer before completing this degree, their courses will be evaluated individually toward the transfer requirements of the college of their choice. Students should note that Associate of Science is the only designation that is recorded on their transcripts.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.
Advanced Standing
Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Graduation Requirements
The Associate of Science degree will be awarded to students who complete a minimum of 90 credits in this program with a grade of “C” or better. Certain required courses are also graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH095</td>
<td>Intermediate Algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-11

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM225</td>
<td>Small Group Communication and Problem-solving or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication SP100 Basic Communication</td>
<td>3-4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH105</td>
<td>Introduction to Contemporary Mathematics or higher level math</td>
<td>4-5</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities electives 3</td>
<td>9-12</td>
</tr>
<tr>
<td>——</td>
<td>Approved science electives 4</td>
<td>11-15</td>
</tr>
<tr>
<td>——</td>
<td>Approved social science electives 5</td>
<td>9-12</td>
</tr>
</tbody>
</table>

Total General Education Requirements: 45-57

Core Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125dp</td>
<td>Introduction to Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>CS125dv</td>
<td>Introduction to Digital Video</td>
<td>3</td>
</tr>
<tr>
<td>CS125f</td>
<td>Introduction to Flash</td>
<td>3</td>
</tr>
<tr>
<td>CS133j</td>
<td>Javascript Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS195</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>GD140</td>
<td>Electronic Publishing Applications I</td>
<td>3</td>
</tr>
<tr>
<td>GD150</td>
<td>Computer Illustration (Illustrator)</td>
<td>3</td>
</tr>
<tr>
<td>GD160</td>
<td>Digital Imaging (Photoshop)</td>
<td>3</td>
</tr>
<tr>
<td>——</td>
<td>Approved computer science/Graphics design electives</td>
<td>3-15</td>
</tr>
</tbody>
</table>

Total Core Credits: 33-45

TOTAL PROGRAM CREDITS: 90

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 Students may also take MTH111, MTH112, MTH211 and MTH212, MTH243 or MTH251. The Bachelor of Science degree requires two courses (7 or more credits) of math, designated programming, statistics or logic courses. The second course may be completed at RCC or SOU. See an advisor for details.

4 Approved Science Electives
(complete at least three courses, two of which must have labs, from the following list, 11-13 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G101,102,103</td>
<td>Introduction to Geology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS104,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH210,212,213,214</td>
<td>General Physics I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>

5 Approved Social Science Electives
(complete at least three courses from the following list, 9-12 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110,130</td>
<td>Introduction to Cultural Anthropology/Archaeology</td>
<td>4-4</td>
</tr>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA218</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>CJ101,204,244</td>
<td>Introduction to Criminalology</td>
<td>4</td>
</tr>
<tr>
<td>CJ120</td>
<td>Introduction to the Judicial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJ243,253</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
</tbody>
</table>
### Employment Skills Training

**Certificate of Completion**

**About the Program**

The Employment Skills Training (EST) program provides a tailored program of study in any one of the many career fields. Students entering only a brief amount of training to meet industry standards for employment are possible EST candidates. RCC Program staff will assist students in assessing possible career fields where EST may be appropriate. EST program plans are then developed by staff in consultation with the student. Plans are designed to maximize each student’s preparation for entry-level employment in his/her occupation of choice, and may include a wide variety of credit courses.

Students earn a portion of their program credits through training at local businesses. Credits earned in this program may be applied to other RCC certificates or degrees. Students should be aware that criminal background checks or additional liability insurance might be required in certain fields. EST is not a financial aid-eligible program.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

Students must submit a complete EST application to Program staff to be considered for acceptance into the program. As part of their training program, students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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. EST is an open entry/exit program, allowing students to begin and end during any term in the academic year.

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies. On a limited individual basis and at the discretion of the department chair, some courses may be challenged based on a student’s life experience or knowledge. Arrangements may be made with the appropriate department to determine specific challenge procedures.

**Graduation Requirements**

A certificate in Employment Skills Training will be awarded to students who complete all courses in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Precalculus/preplacement test score or other department-approved math 1</td>
<td>4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading/preplacement test score 1</td>
<td>4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II/preplacement test score 1</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Prerequisite Credits</strong></td>
<td></td>
<td><strong>0-12</strong></td>
</tr>
</tbody>
</table>

**Core Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EST101</td>
<td>Employment Skills Training</td>
<td>4-9</td>
</tr>
<tr>
<td><strong>TOTAL PROGRAM CREDITS</strong></td>
<td></td>
<td><strong>19-42</strong></td>
</tr>
</tbody>
</table>

1 Prerequisites may be required for some courses. They may be waived under special circumstances and as appropriate for work site/occupational needs. However, students must fulfill prerequisites related to their program coursework.

2 Course numbers will vary depending on courses chosen.

---

### Approved Computer Science/Graphic Design Electives

(complete 3-15 credits or a sufficient number of electives to meet the total degree requirements of at least 90 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125d</td>
<td>Digital 3D Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>CS125dw</td>
<td>Dreamweaver I</td>
<td>3</td>
</tr>
<tr>
<td>CS133b</td>
<td>Visual Basic</td>
<td>3</td>
</tr>
<tr>
<td>CS135dv</td>
<td>Advanced Digital Video</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS196</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS235</td>
<td>Word Press/Content Management Systems (CMS)</td>
<td>3</td>
</tr>
<tr>
<td>CS235w</td>
<td>Website Design</td>
<td>4</td>
</tr>
<tr>
<td>GD120</td>
<td>Digital Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>GD141</td>
<td>Electronic Publishing Applications II</td>
<td>3</td>
</tr>
<tr>
<td>GD220</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>GD260</td>
<td>Web Graphics</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: 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 university:

1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of “C” or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Computer Science Department:

Grants Pass .......................... 541-956-7213
Medford ............................. 541-245-7527
Toll free in Oregon .................. 800-411-6508, Ext. 7213 or Ext. 7527
email ..................... rwcomputerscience@roguecc.edu or rccomputerscience@roguecc.edu
Web address ..................www.roguecc.edu/computerscience
TTY ................................ 541-956-7338 or 541-245-7587
For more information contact the Individualized Career Training Department:
Grants Pass .............................................. 541-956-7027
Medford ..................................................... 541-245-7562
Toll free in Oregon ...................................... 800-411-6508, Ext. 7027 or 9562
email ....................................................... ost@roguecc.edu
Web address ............................................. www.roguecc.edu/ICT
TTY ............................................................... Oregon Telecom Relay Service, 711

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**Engineering Interest**

**Associate of General Studies Degree**

A total of 90 credits are required to complete the Associate of General Studies (AGS) degree. The courses listed below are only meant to serve as a guide of recommended choices within categories required in the AGS framework. See the AGS graduation guide for full degree requirements. The following list includes recommended courses for students who have an interest in engineering. The pre-engineering focus at RCC is designed to closely follow the pre-engineering programs at Oregon Tech, Oregon State University, and Portland State University.

RCC students are strongly encouraged to work with RCC science faculty for all academic advising for this major as other transfer options may exist. There may be other courses that can be completed prior to transfer.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR101</td>
<td>Engineering Orientation I: Careers, Skills and Computer Tools</td>
<td>2</td>
</tr>
<tr>
<td>ENGR102</td>
<td>Engineering Orientation II: Careers, Skills and Computer Tools</td>
<td>2</td>
</tr>
<tr>
<td>ENGR103</td>
<td>Engineering Orientation III: Careers, Skills and Computer Tools</td>
<td>2</td>
</tr>
<tr>
<td>ENGR201</td>
<td>Electrical Fundamentals with lab</td>
<td>3</td>
</tr>
<tr>
<td>ENGR211</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR212</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR213</td>
<td>Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I (Differential)</td>
<td>5</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II (Integral)</td>
<td>5</td>
</tr>
<tr>
<td>MTH253</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MTH254</td>
<td>Vector Calculus</td>
<td></td>
</tr>
<tr>
<td>CHEM221</td>
<td>General Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM222</td>
<td>General Chemistry II with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM223</td>
<td>General Chemistry III with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>PH211</td>
<td>General Physics I (Calculus Based) with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>PH212</td>
<td>General Physics II (Calculus Based) with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>PH213</td>
<td>General Physics III (Calculus Based) with lab and recitation</td>
<td>5</td>
</tr>
</tbody>
</table>

Oregon public universities offering degrees in engineering:
- Oregon Tech  [www.oit.edu](http://www.oit.edu)
- Oregon State University  [www.oregonstate.edu](http://www.oregonstate.edu)
- Portland State University  [www.pdx.edu](http://www.pdx.edu)

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**Environmental Sciences/Forestry Interest**

**Associate of Arts Oregon Transfer Degree**

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for an environmental sciences/forestry major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI211</td>
<td>General Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI212</td>
<td>General Biology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI213</td>
<td>General Biology III with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>ECON201</td>
<td>Principles of Microeconomics</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>ECON202</td>
<td>Principles of Macroeconomics</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability &amp; Statistics</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
<td>Writing</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
<td>Writing</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

It is recommended that students plan to transfer to the four-year school after completing the first year of courses at RCC. Academic courses required for forestry and environmental sciences are offered only at the four-year institutions.

Oregon public universities offering degrees in this subject:
- Oregon Institute of Technology  [www.oit.edu](http://www.oit.edu)
- Oregon State University  [www.oregonstate.edu](http://www.oregonstate.edu)

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**English/Literature Interest**

**Associate of Arts Oregon Transfer Degree**

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for an English/literature major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG109</td>
<td>World Literature III</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>ENG204</td>
<td>Survey of English Literature I</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>ENG205</td>
<td>Survey of English Literature II</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>ENG206</td>
<td>Survey of English Literature III</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>SPAN201*</td>
<td>Second Year Spanish I</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>SPAN202*</td>
<td>Second Year Spanish II</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>SPAN203*</td>
<td>Second Year Spanish III</td>
<td>4</td>
<td>Humanities</td>
</tr>
</tbody>
</table>

*For Bachelor of Arts degree requirement.

Note: Three courses required in the humanities category. Additional courses would count as electives.

Oregon public universities offering degrees in this subject:
- Eastern Oregon University  [www.eou.edu](http://www.eou.edu)
- Southern Oregon University  [www.sou.edu](http://www.sou.edu)
- Portland State University  [www.pdx.edu](http://www.pdx.edu)
- Oregon State University  [www.oregonstate.edu](http://www.oregonstate.edu)
- University of Oregon  [www.uo.edu](http://www.uo.edu)
- Western Oregon University  [www.wou.edu](http://www.wou.edu)

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Exercise Specialist Certificate of Completion

About the Program

The Exercise Specialist three-term certificate program prepares students for work in entry-level positions as professional members of preventive health care teams. Students could expect to find employment in a variety of health and fitness clubs, wellness centers, public and private recreation facilities, hospitals, and corporate fitness programs where a working knowledge of instruction and administrative duties is required.

The variety of duties that may be performed by an exercise specialist include: directing safe and effective exercise programs, assisting at the front counter with phones and advertising, supervising weight and cardio areas, organizing adult and children’s programs, assisting residents in a retirement or Alzheimer’s setting, working as a personal trainer with clients, assisting with swim classes and conducting exercise classes. Additional duties may also include participating in open gym activities and sports organizations, conducting fitness testing and instructing clients in appropriate sport and fitness activities, sales, and club business operations and member retention efforts. Exercise specialists have a background in basic anatomy and physiology, fitness assessment and programming, training in interpersonal skills, customer relations, behavior modifications, and fitness promotion.

The program is designed to correlate classroom and laboratory experience with practical experience in facilities in the community. During the course of study, successful students may be certified by the American Heart Association (AHA) at the Health Care Provider level for CPR, the community level for first aid, and be prepared to take the Group Fitness Instructor certifying exam given by the American Council on Exercise (ACE). Students will also be prepared to take any one of several national personal trainer exams.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Health, PE, and Recreation Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each student with College Now credit must meet with the department chair to determine placement. Students requesting advanced placement or transfer credit from prior coursework must submit a written request to the department along with transcripts and course descriptions for all coursework.

Graduation Requirements

Students completing the credits in the program with a grade of “C” or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS________</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI121</td>
<td>Elementary Anatomy and Physiology I w/lab or BI231 Human Anatomy and Physiology I w/lab or BU100SB Biology of Human Body Systems</td>
<td>3-4</td>
</tr>
<tr>
<td>HPE295</td>
<td>Health and Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>PE185D</td>
<td>Physical Conditioning/Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>PE185K</td>
<td>Core and Cardio or PE185N Circuit Fitness Training or PE185Y Toning, Training and TRX</td>
<td>1</td>
</tr>
<tr>
<td>PE194</td>
<td>Principles of Exercise Training and Conditioning</td>
<td>2</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or B1113 Business English I or higher level composition class</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE131</td>
<td>Introduction to Exercise and Sport Science</td>
<td>3</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH65 Applied Algebra I or BI160 Business Math or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>NFM225</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>PE185E</td>
<td>Yoga or PE185J Pilates or PE185L Lap Swimming or PE185Q Aquatics for Personal Trainers or PE185M Multilevel Aerobics</td>
<td>1</td>
</tr>
<tr>
<td>PE264</td>
<td>Fundamentals of Personal Training</td>
<td>2</td>
</tr>
<tr>
<td>E185E</td>
<td>Physical Conditioning/Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>E185N</td>
<td>Circuit Fitness Training</td>
<td>1</td>
</tr>
<tr>
<td>E185T</td>
<td>Toning, Training and TRX</td>
<td>1</td>
</tr>
<tr>
<td>E185F</td>
<td>Pilates</td>
<td>1</td>
</tr>
<tr>
<td>E185J</td>
<td>Pilates</td>
<td>1</td>
</tr>
<tr>
<td>E185L</td>
<td>Lap Swimming</td>
<td>1</td>
</tr>
<tr>
<td>E185Q</td>
<td>Aquatics for Personal Trainers</td>
<td>1</td>
</tr>
<tr>
<td>E185M</td>
<td>Multilevel Aerobics</td>
<td>1</td>
</tr>
<tr>
<td>E185W</td>
<td>Exercise Instructor</td>
<td>1</td>
</tr>
<tr>
<td>HE259</td>
<td>Care and Prevention of Athletic Injury</td>
<td>2-3</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or PSY101 Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>BT178</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>HE292</td>
<td>First Aid/CPR or HE253 Wilderness First Aid/CPR</td>
<td>3</td>
</tr>
<tr>
<td>PE280</td>
<td>Cooperative Work Experience/Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE290</td>
<td>Fitness Instructor</td>
<td>2</td>
</tr>
<tr>
<td>SOC230</td>
<td>Introduction to Gerontology or PSY215 Lifespan Human Development</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 44-47

1 Required for graduation. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 BI211 is a prerequisite for BI231. Students who choose to complete either BI121 or BI231 in lieu of BI100SB must complete the entire sequence of either series with an equivalent “C” or better grade.

3 Students who have successfully completed the 3-credit version of BT113 will have met the writing requirement.

4 PSY201 is a prerequisite for PSY215.
Family Support Services
Associate of Applied Science Degree

About the Program
The Family Support Services program is designed to provide pre-employment training and education for entry-level family support workers through classroom studies and practical training. Graduates may serve families as family advocates, home visitors, parent educators, or family outreach workers, among other occupations. Coursework for this program spans the disciplines of human services and early childhood development to provide a strong base for work with children and families in a variety of settings. It is designed to accommodate both full- and part-time students and those currently employed in the field. Embedded within the program is training which meets requirements for community health worker certification through the Oregon Health Authority.

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

Prospective students should be aware of entry requirements for family service agencies prior to considering family support services as a career choice. Practicum placement may require a criminal background check. The inability to pass a criminal background check may preclude completion of the program.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Early Childhood and Elementary Education Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the Early Childhood and Elementary Education Department chair to determine placement.

Graduation Requirements
To graduate, students must complete all courses in this program with a grade of “C” or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>PST101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT115 Business English 1 or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td>Approved 3-4 credit computer science class, CS120 or above or designated computer proficiency</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 3-15

First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE125</td>
<td>Early Childhood Development</td>
<td>3</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
</tr>
<tr>
<td>SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I or BT114 Business English II</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSI55</td>
<td>Interviewing Theory and Techniques</td>
<td>4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP115 Intercultural Communication or SP218 Interpersonal Communication</td>
<td>4</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE151</td>
<td>Guiding Children in Group Settings</td>
<td>3</td>
</tr>
<tr>
<td>ECE275</td>
<td>Anti-bias Education or SOC213 Race and Ethnicity in America</td>
<td>3-4</td>
</tr>
<tr>
<td>HSI58</td>
<td>Trauma-informed Care: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>PSY215</td>
<td>Lifespan Human Development</td>
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Total First Year Credits: 45-50

Second Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECE245</td>
<td>Promoting Social/Emotional Development of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE258</td>
<td>Early Childhood Home Visitations</td>
<td>3</td>
</tr>
<tr>
<td>HDFS260</td>
<td>Child Abuse and Neglect</td>
<td>3</td>
</tr>
<tr>
<td>HS201</td>
<td>Family Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>HS210</td>
<td>Motivational Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>HS261</td>
<td>Human Services Practicum and Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Fourth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE265</td>
<td>Children at Risk</td>
<td>3</td>
</tr>
<tr>
<td>HSI175</td>
<td>Ethics for Counselors</td>
<td>1</td>
</tr>
<tr>
<td>HS260</td>
<td>Group Counseling</td>
<td>4</td>
</tr>
<tr>
<td>HS261</td>
<td>Human Services Practicum and Seminar</td>
<td>3</td>
</tr>
<tr>
<td>HS266</td>
<td>Crisis Intervention Strategies</td>
<td>3</td>
</tr>
</tbody>
</table>

Fifth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSI210</td>
<td>Human Services Practicum and Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Sixth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC100</td>
<td>Community Health Worker</td>
<td>6</td>
</tr>
<tr>
<td>HPE250</td>
<td>Personal Health or HPE295 Health and Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>HS261</td>
<td>Human Services Practicum and Seminar</td>
<td>4</td>
</tr>
<tr>
<td>ECE242</td>
<td>Parent Education and Family Support</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Second Year Credits: 48-52

Total Program Credits: 93-102

For more information contact the Health, PE, and Recreation Department at:
Grants Pass ........................................... 541-956-7140
Medford .................................................. 541-245-7504
Toll free in Oregon ................................. 800-411-6508, Ext. 7140 or Ext. 7504
email .................................................. rwchealthpe@roguecc.edu or rwchealthpe@roguecc.edu
Web address ........................................... www.roguecc.edu/HPER
TTY ...................................................... Oregon Telecom Relay Service, 711
Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE161</td>
<td>Infant/Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE163</td>
<td>Preschool/Primary Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE243</td>
<td>Promoting Child Health and Physical Development</td>
<td>3</td>
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<tr>
<td>ECE246</td>
<td>Child, Family and Community</td>
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<tr>
<td>ECE248</td>
<td>Children with Disabilities and Their Families</td>
<td>3</td>
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<tr>
<td>ECE266</td>
<td>Spanish for Early Childhood/Elementary Professionals</td>
<td>3</td>
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<tr>
<td>PHL101</td>
<td>Philosophical Problems</td>
<td>4</td>
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<tr>
<td>PHL102</td>
<td>Ethics</td>
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<td>PHL103</td>
<td>Critical Reasoning</td>
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<tr>
<td>PSY219</td>
<td>Introduction to Abnormal Psychology</td>
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<td>PSY228</td>
<td>Introduction to Positive Psychology</td>
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<tr>
<td>PSY231</td>
<td>Human Sexuality</td>
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<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
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<td>SOC205</td>
<td>American Society</td>
<td>4</td>
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<td>SOC218</td>
<td>Sociology of Gender</td>
<td>4</td>
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<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
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<tr>
<td>SOC235</td>
<td>The Chicano/Latino Historical Experience</td>
<td>4</td>
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<tr>
<td>SPAN101,102,103</td>
<td>First Year Spanish I, II, III</td>
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<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
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</table>

1. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
2. Required for graduation.

For more information contact the Early Childhood and Elementary Education Department:
Grants Pass ................................................ 541-956-7066
Medford ...................................................... 541-245-7504
Toll free in Oregon ........................................... 800-411-6508, Ext. 7066 or Ext. 7504
email .......................................................... ccee@roguecc.edu
Web address .................................................. www.roguecc.edu/ccee
TTY ............................................................. Oregon Telecom Relay Service, 711

Fire Officer Certificate of Completion

About the Program
The Fire Officer four-term certificate program is designed to provide advanced skills and work experience for firefighters aspiring to advance in the profession. It provides courses aimed at upgrading the skills of professional firefighters and preparing personnel for additional job responsibilities. Courses are either in the core of the AAS degree or chosen from the approved elective list. Coursework is accredited by the Oregon Department of Public Safety Standards and Training and meets National Fire Protection Association (NFPA) requirements (NFPA Fire Officer I and II).

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes (www.bls.gov/SOC/), graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and medians loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
As part of their training program, students are also required to take a placement test to determine skill level and readiness in math, reading and writing. Students must begin with the courses within their skill levels as determined by the placement test scores. In addition, students may also be required to enroll in courses that would increase their employ-ability and success. The Fire Science program advisor will work with each student to design an individualized sequence of instruction.

Advanced Standing
Coursework from approved colleges and universities will be accepted in accordance with college registration policies and the Fire Science program coordinator’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the program coordinator before being accepted toward core requirements.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ²</td>
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<tr>
<td>FRP251</td>
<td>Firefighter Level I ¹</td>
<td>3</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I Lab ¹</td>
<td>5</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
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Total Prerequisite Credits 19-23

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<thead>
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<tr>
<td>First Term</td>
<td>Workshop: Selected Topics</td>
<td>3</td>
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<tr>
<td>FRP199</td>
<td>Workshop: Selected Topics</td>
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<tr>
<td>FRP249</td>
<td>Fire Service Leadership</td>
<td>3</td>
</tr>
<tr>
<td>FRP285</td>
<td>Fire Instructor I</td>
<td>3</td>
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<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>4</td>
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<tr>
<td>Second Term</td>
<td>Firefighter Safety and Survival</td>
<td>3</td>
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<tr>
<td>FRP233</td>
<td>Firefighter Safety and Survival</td>
<td>3</td>
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<tr>
<td>FRP273</td>
<td>Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>FRP274</td>
<td>Firefighting Strategy and Tactics</td>
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<tr>
<td>PS203</td>
<td>United States Government III</td>
<td>3</td>
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<tr>
<td>Third Term</td>
<td>Public Education, Relations and Information</td>
<td>3</td>
</tr>
<tr>
<td>FRP238</td>
<td>Public Education, Relations and Information</td>
<td>3</td>
</tr>
<tr>
<td>FRP273</td>
<td>Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>Fourth Term</td>
<td>Workshop: Selected Topics</td>
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</tr>
<tr>
<td>FRP282</td>
<td>Introduction to Codes and Related Ordinances</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or BTI01 Human Relations in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BA214</td>
<td>Business Communications or WR227 Technical Writing</td>
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<tr>
<td>WR227</td>
<td>Technical Writing</td>
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### Total Program Credits

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<thead>
<tr>
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<th>Course Titleøj 0-4 Credits</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FRP251</td>
<td>Firefighter Level I 1</td>
<td>3</td>
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<td>FRP251L</td>
<td>Firefighter Level I Lab</td>
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### Required Courses

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<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FRP256</td>
<td>Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FRP264</td>
<td>Building Construction for Fire Prevention</td>
<td>3</td>
</tr>
<tr>
<td>FRP282</td>
<td>Introduction to Codes and Related Ordinances</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
</tbody>
</table>

### Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRP241</td>
<td>Fire Prevention Inspections</td>
<td>3</td>
</tr>
<tr>
<td>FRP246</td>
<td>Hazardous Materials I for Inspectors</td>
<td>3</td>
</tr>
<tr>
<td>FRP262</td>
<td>Fundamentals of Fire Prevention</td>
<td>3</td>
</tr>
<tr>
<td>FRP272</td>
<td>Fixed Systems and Extinguishers</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>4</td>
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### Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRP199</td>
<td>Workshop: Selected Topics</td>
<td>3</td>
</tr>
<tr>
<td>FRP238</td>
<td>Public Education, Relations and Information</td>
<td>3</td>
</tr>
<tr>
<td>FRP243</td>
<td>Advanced Fire and Arson Investigation</td>
<td>3</td>
</tr>
<tr>
<td>FRP273</td>
<td>Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Program Credits

51

1 FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

2 Required for graduation. Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Fire Science program:
Grants Pass or Medford ................................................... 541-245-7965
Toll free in Oregon .................................................... 800-411-6508, Ext. 7965
Web address ..................................................... www.roguecc.edu/emergencyservices
TTY ..................................................... Oregon Telecom Relay Service, 711

## Fire Prevention/Investigation Certificate of Completion

### About the Program

The Fire Prevention/Investigation three-term certificate program is designed to provide basic skills and work experience for those entering the profession. It provides courses aimed at upgrading the skills of professional firefighters and fire prevention officers. Knowledge of fire prevention, building construction, related codes and laws, public education, public relations, and fire investigation are some of the areas addressed.

The program is coordinated in conjunction with the Fire Science Associate of Applied Science (AAS) degree. Courses are either in the core of the AAS degree or chosen from the approved elective list. Coursework is accredited by the Oregon Department of Public Safety Standards and Training.

The curriculum in RCC courses is derived from a set of identified learning outcomes relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

## Entry Requirements

As part of their training program, students are also required to take a placement test to determine skill levels and readiness in math, reading and writing. Students must begin with the courses within their skill levels as determined by the placement test scores. In addition, students may also be required to enroll in classes that would increase their employability and success. The Fire Science program advisor will work with each student to design an individualized sequence of instruction.

## Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Fire Science program coordinator’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the program coordinator before being accepted toward core requirements.

## Graduation Requirements

Students must complete all courses in this program with a “C” or better grade to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

## Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
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</tr>
<tr>
<td>FRP251</td>
<td>Firefighter Level I 1</td>
<td>3</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I Lab</td>
<td>5</td>
</tr>
</tbody>
</table>

1 FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

2 Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Fire Science program:
Grants Pass or Medford ................................................... 541-245-7965
Toll free in Oregon .................................................... 800-411-6508, Ext. 7965
Web address ..................................................... www.roguecc.edu/emergencyservices
TTY ..................................................... Oregon Telecom Relay Service, 711

## Fire Science Associate of Applied Science Degree

### About the Program

The fire service is a highly dynamic profession that offers a variety of daily challenges to the professionals who work within it. The primary mission of the RCC Fire Science program is to prepare students for careers as firefighters. Students who complete the program will be prepared to meet the unique demands of a rewarding profession. The program prides itself on delivering the highest education available by following standards set by the National Fire Protection Association (NFPA) and the Fire Emergency Services Higher Education (FESHE). Fire Science program coursework is accredited by the Oregon Department of Public Safety Standards and Training.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.
### Entry Requirements
As part of their training program, students are required to take a placement test to determine skill levels and readiness in math, reading, and writing. 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 courses that would increase their employability and success. The Fire Science program advisor will work with each student to design an individualized sequence of instruction.

Students must be at least 17 years old to apply to the EMT course. Students must have a high school graduate or have a GED or equivalent for certification. In addition, students must meet the qualifications outlined by the Oregon Health Authority – EMS. Students are required to submit verification of certain immunizations and medical tests. Students will also be required to pass a drug screen and a criminal background investigation prior to their mandatory clinical time.

### Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Fire Science program coordinator’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department head before being accepted toward core requirements.

### Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

### Prerequisites

<table>
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<tbody>
<tr>
<td>CS130</td>
<td>Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency 1</td>
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<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>4</td>
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<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
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Total Prerequisite Credits 11-15

### First Year Required Courses

<table>
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<tbody>
<tr>
<td>ES105</td>
<td>Introduction to Emergency Services</td>
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<tr>
<td>FRP251</td>
<td>Firefighter Level I 1</td>
<td>3</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I Lab 1</td>
<td>5</td>
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<tr>
<td>FRP256</td>
<td>Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FRP261</td>
<td>Hazardous Materials First Responder Operations</td>
<td>1</td>
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Second Term

<table>
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<td>ES131</td>
<td>EMT Part I</td>
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<td>ES131L</td>
<td>EMT Part I Lab</td>
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<tr>
<td>FRP253</td>
<td>Firefighter Safety and Survival</td>
<td>3</td>
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<tr>
<td>FRP252</td>
<td>Firefighter Level II</td>
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</tr>
<tr>
<td>FRP262</td>
<td>Fundamentals of Fire Prevention</td>
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<tr>
<td>WR121</td>
<td>English Composition I</td>
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Total First Year Credits 50

### Second Year Required Courses

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<th>Course Title</th>
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<td>FRP253</td>
<td>Fire Apparatus Driver</td>
<td>3</td>
</tr>
<tr>
<td>FRP282</td>
<td>Introduction to Codes and Related Ordinances</td>
<td>3</td>
</tr>
<tr>
<td>FRP295</td>
<td>Health and Fitness for Emergency Service Workers</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra 1 or MTH60 Fundamentals of Algebra 1 or higher level math</td>
<td>4</td>
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<td></td>
<td>Approved program elective</td>
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<td></td>
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Fifth Term

<table>
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<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FRP249</td>
<td>Fire Service Leadership</td>
<td>3</td>
</tr>
<tr>
<td>FRP258</td>
<td>Pumper Operator</td>
<td>3</td>
</tr>
<tr>
<td>FRP272</td>
<td>Fixed Systems and Extinguishers</td>
<td>3</td>
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<tr>
<td>SP111</td>
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<td>4</td>
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Total Second Year Credits 44-50

### Sixth Term

<table>
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<tbody>
<tr>
<td>FRP295</td>
<td>Water Supply Operations</td>
<td>3</td>
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<tr>
<td>FRP264</td>
<td>Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FRP273</td>
<td>Fire Investigation</td>
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<td>FRP274</td>
<td>Firefighting Strategy and Tactics</td>
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<tr>
<td>FRP280</td>
<td>Cooperative Work Experience/Fire Science</td>
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Total Second Year Credits 15-18

### Approved Program Electives

<table>
<thead>
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<tbody>
<tr>
<td>EMT305</td>
<td>Crisis Management</td>
<td>3</td>
</tr>
<tr>
<td>FRP99</td>
<td>Outreach: Selected Topic</td>
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</tr>
<tr>
<td>FRP131</td>
<td>Advanced Wildland Firefighter</td>
<td>1</td>
</tr>
<tr>
<td>FRP199</td>
<td>Workshop: Selected Topic</td>
<td>1-3</td>
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<tr>
<td>FRP200</td>
<td>Initial Attack Incident Commander</td>
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<tr>
<td>FRP211</td>
<td>Hiring Practices in the Fire Service</td>
<td>3</td>
</tr>
<tr>
<td>FRP215</td>
<td>Fire Operations in the Wildland/Urban Interface</td>
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</tr>
<tr>
<td>FRP230</td>
<td>Wildland Single Resource Boss</td>
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</tr>
<tr>
<td>FRP231</td>
<td>Wildland Engine Boss</td>
<td>1</td>
</tr>
<tr>
<td>FRP238</td>
<td>Public Education, Relations and Information</td>
<td>3</td>
</tr>
<tr>
<td>FRP241</td>
<td>Fire Prevention Inspections</td>
<td>3</td>
</tr>
<tr>
<td>FRP243</td>
<td>Advanced Fire and Arson Investigation</td>
<td>3</td>
</tr>
<tr>
<td>FRP246</td>
<td>Hazardous Material I for Inspectors</td>
<td>3</td>
</tr>
<tr>
<td>FRP269</td>
<td>Aircraft Firefighting</td>
<td>3</td>
</tr>
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<td>FRP283</td>
<td>Fellowship to Leadership</td>
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</tr>
<tr>
<td>FRP285</td>
<td>Fire Instructor I</td>
<td>3</td>
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<tr>
<td>FRP286</td>
<td>Fire Instructor II</td>
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<tr>
<td>FRP290</td>
<td>Intermediate Wildland Fire Behavior</td>
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</tr>
<tr>
<td>PST205</td>
<td>United States Government III</td>
<td>3</td>
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</tbody>
</table>

TOTAL PROGRAM CREDITS 94-100

### Credits

(3-9 credits required)
Fire Science: Firefighter Career Pathways Certificate

About the Program
The fire service is a highly dynamic profession that offers a variety of daily challenges to the professionals who work within it. The primary mission of the RCC Fire Science program is to prepare students for careers as firefighters. Students who complete this three-term program will have met the requirements set by regional fire departments in Southern Oregon for the entry-level position of firefighter. The program delivers the highest education available by following standards set by the National Fire Protection Association (NFPA) and the Fire Emergency Services Higher Education (FESHE) program. Fire Science program coursework is accredited by the Oregon Department of Public Safety Standards and Training.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes (www.bls.gov/SOC), graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
As part of their training program, students are required to take a placement test to determine skill levels and readiness in math, reading and writing. 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 courses that would increase their employability and success. The Fire Science program advisor will work with each student to design an individualized sequence of instruction.

Students must be at least 17 years old to apply to the EMT course. Students must be a high school graduate or have a GED or equivalent for certification. In addition, students must meet the qualifications outlined by the Oregon Health Authority – EMS. Students are required to submit verification of certain immunizations and medical tests. Students will also be required to pass a drug screen and a criminal background investigation prior to their mandatory clinical time.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Fire Science program coordinator’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department head before being accepted toward core requirements.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their certificate. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits | 0-11

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRP251</td>
<td>Firefighter Level I 1</td>
<td>4</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I Lab 1</td>
<td>1</td>
</tr>
<tr>
<td>FRP256</td>
<td>Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FRP261</td>
<td>Hazardous Materials First Responder Operations</td>
<td>1</td>
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</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ES131</td>
<td>EMT Part I</td>
<td>4</td>
</tr>
<tr>
<td>ES131L</td>
<td>EMT Part I Lab</td>
<td>1</td>
</tr>
<tr>
<td>FRP233</td>
<td>Firefighter Safety and Survival</td>
<td>3</td>
</tr>
<tr>
<td>FRP252</td>
<td>Firefighter Level II</td>
<td>4</td>
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Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES105</td>
<td>Introduction to Emergency Services</td>
<td>4</td>
</tr>
<tr>
<td>ES132</td>
<td>EMT Part II</td>
<td>4</td>
</tr>
<tr>
<td>ES132L</td>
<td>EMT Part II Lab</td>
<td>1</td>
</tr>
<tr>
<td>FRP130</td>
<td>Basic Wildland Firefighter</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS | 36

1 FRP251 taken previously for 8 credits but without a separate lab is also acceptable.
Geology Interest Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a geology major vary at each university.

### Course No. | Course Title | Credits | AAOT Category
--- | --- | --- | ---
CHEM221 | General Chemistry I with lab and recitation | 5 | Science
CHEM222 | General Chemistry II with lab and recitation | 5 | Science
CHEM223 | General Chemistry III with lab and recitation | 5 | Science
G101 | Introduction to Geology I with lab | 4 | Science
G102 | Introduction to Geology II with lab | 4 | Science
G103 | Introduction to Geology III with lab | 4 | Science
MTH111 | College Algebra | 4 | Math
MTH112 | Elementary Functions | 4 | Math
MTH251 | Calculus I | 5 | Math
MTH252 | Calculus II | 5 | Math
MTH253 | Calculus III | 5 | Math
PH211 | General Physics I (Calculus Based) with lab and recitation | 5 | Science
PH212 | General Physics II (Calculus Based) with lab and recitation | 5 | Science
PH213 | General Physics III (Calculus Based) with lab and recitation | 5 | Science

Note: Four courses required in the science/math category; additional courses would count as electives.

Okanogan College provides the following options for major and general education courses required for the AAOT degree in Geology and other Oregon University transfer programs:

Oregon public universities offering degrees in this subject:
- Portland State University [www.pdx.edu](http://www.pdx.edu)
- Oregon State University [www.oregonstate.edu](http://www.oregonstate.edu)
- University of Oregon [www.uoregon.edu](http://www.uoregon.edu)
- Southern Oregon University (Minor) [www.sou.edu](http://www.sou.edu)

### Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

If students intend to transfer to SOU’s Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit [www.sou.edu/degerecompletion](http://www.sou.edu/degerecompletion).

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at [www.roguecc.edu/Programs/CareerPathways](http://www.roguecc.edu/Programs/CareerPathways).

### Graduation Requirements

Students completing the required credits in this program with a grade of “C” or better will receive their degrees. Certain prerequisite and required courses are graded on a pass/no pass basis only; A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing</td>
<td>0-4</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE250</td>
<td>Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life or HE261 CPR or HE112 Emergency First Aid</td>
<td>1-3</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
</tbody>
</table>

### Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART115</td>
<td>Basic Design (Composition)</td>
<td>3</td>
</tr>
<tr>
<td>ART116</td>
<td>Basic Design (Color Theory)</td>
<td>3</td>
</tr>
<tr>
<td>ART131</td>
<td>Introduction to Drawing (Value)</td>
<td>3</td>
</tr>
<tr>
<td>ART132</td>
<td>Introduction to Drawing (Line) or ART234 Figure Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART237</td>
<td>Illustration (Black and White Media) or ART238 Illustration (Color Media)</td>
<td>3</td>
</tr>
<tr>
<td>ART245</td>
<td>Drawing for Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>BT106</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>CS125w</td>
<td>Dreamweaver I</td>
<td>3</td>
</tr>
<tr>
<td>CS195</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS235</td>
<td>Word Press/Content Management Systems (CMS)</td>
<td>3</td>
</tr>
<tr>
<td>GD120</td>
<td>Digital Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>GD140</td>
<td>Electronic Publishing Applications I</td>
<td>3</td>
</tr>
<tr>
<td>GD141</td>
<td>Electronic Publishing Applications II</td>
<td>3</td>
</tr>
<tr>
<td>GD150</td>
<td>Computer Illustration (Illustrator)</td>
<td>3</td>
</tr>
</tbody>
</table>
About the Program

The Graphic Design four-term certificate program is designed to give students a solid foundation in layout/design concepts and computer graphics applications for print and Web. These include desktop publishing, graphic illustration, digital imaging, and Web page design. Students will also receive instruction in computer fundamentals including terminology, software use, hardware configuration, and operating systems.

All courses in the program have high academic standards and serve dual purposes: They prepare students for careers or serve as a vehicle for those wishing to learn specific skills.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit http://www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students completing the credits in the program with a grade of “C” or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Credits earned in this program can be applied to the Associate of Applied Science degree.

Prerequisites

Course No. Course Title Credits
C120 Concepts in Computing I or documented computer proficiency1 3
MTH20 Pre-algebra or designated placement test score 3
WR115 Introduction to Expository Writing or BT113 Business English I or designated placement test score 4

Total Prerequisite Credits 12

Required Technical Courses

Course No. Course Title Credits
First Term
WR121 English Composition I 4
PSY101 Psychology of Human Relations 3
About the Program

The Adobe® Applications Technician Career Pathways one-term certificate prepares students for work in entry-level positions in the graphic design industry where a working knowledge of Adobe® Creative Suite Premium applications is required. It is the first step to the one-year Graphic Design certificate and the Associate of Applied Science (AAS) degree in Graphic Design. The AAS is designed to prepare students for entry-level positions in the graphic design industry where a working knowledge of Adobe® Creative Suite Premium is desired by employers. It is designed to provide students with the knowledge and skills necessary to work in a variety of entry-level positions or to enter the workforce immediately.

**Entry Requirements**

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

**Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, the coursework must be taken within the last five years and may be approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap below and at www.roguecc.edu/Programs/CareerPathways.

**Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive a Career Pathways certificate in Adobe® Applications Technician. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

**Prerequisites**

- **Course No.** MTH20
  - **Course Title** Pre-algebra or designated placement test score
  - **Credit** 0-4

- **Course No.** RD30
  - **Course Title** College Reading or designated placement test score
  - **Credit** 0-4

- **Course No.** WR30
  - **Course Title** Fundamentals of Composition II or designated placement test score
  - **Credit** 0-4

- **Course No.** CS120
  - **Course Title** Concepts in Computing I or documented computer proficiency
  - **Credit** 0-4

**Total Prerequisite Credits**

- **Credit** 0-16

**Required Courses**

- **Course No.** MTH63
  - **Course Title** Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math
  - **Credit** 4

- **Course No.** ART115
  - **Course Title** Basic Design (Composition)
  - **Credit** 3

- **Course No.** ART310
  - **Course Title** Introduction to Drawing (Value)
  - **Credit** 3

- **Course No.** GD120
  - **Course Title** Digital Graphic Design I
  - **Credit** 3

- **Course No.** GD160
  - **Course Title** Digital Graphic Design II
  - **Credit** 3

- **Course No.** GD220
  - **Course Title** Digital Graphic Design III
  - **Credit** 3

- **Course No.** GD227
  - **Course Title** Digital Graphic Design IV
  - **Credit** 3

- **Course No.** ART237
  - **Course Title** Illustration (Black and White Media) or ART238 Illustration (Color Media)
  - **Credit** 3

- **Course No.** CS125w
  - **Course Title** Dreamweaver I
  - **Credit** 3

- **Course No.** GD140
  - **Course Title** Electronic Publishing Applications I (InDesign)
  - **Credit** 3

- **Course No.** GD150
  - **Course Title** Computer Illustration (Illustrator)
  - **Credit** 3

- **Course No.** CS125f
  - **Course Title** Dreamweaver I
  - **Credit** 3

- **Course No.** ART116
  - **Course Title** Basic Design (Color Theory)
  - **Credit** 3

- **Course No.** ART312
  - **Course Title** Introduction to Drawing (Line) or ART234 Figure Drawing I
  - **Credit** 3

- **Course No.** GD340
  - **Course Title** Electronic Publishing Applications I (InDesign)
  - **Credit** 3

- **Course No.** GD350
  - **Course Title** Computer Illustration (Illustrator)
  - **Credit** 3

- **Course No.** ART111
  - **Course Title** Basic Design (Composition)
  - **Credit** 3

- **Course No.** ART310
  - **Course Title** Introduction to Drawing (Value)
  - **Credit** 3

- **Course No.** GD120
  - **Course Title** Digital Graphic Design I
  - **Credit** 3

- **Course No.** GD160
  - **Course Title** Digital Graphic Design II
  - **Credit** 3

- **Course No.** GD220
  - **Course Title** Digital Graphic Design III
  - **Credit** 3

- **Course No.** GD227
  - **Course Title** Digital Graphic Design IV
  - **Credit** 3

- **Course No.** ART237
  - **Course Title** Illustration (Black and White Media) or ART238 Illustration (Color Media)
  - **Credit** 3

- **Course No.** CS125w
  - **Course Title** Dreamweaver I
  - **Credit** 3

- **Course No.** GD140
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- **Course No.** GD350
  - **Course Title** Computer Illustration (Illustrator)
  - **Credit** 3

- **Course No.** ART111
  - **Course Title** Basic Design (Composition)
  - **Credit** 3

- **Course No.** ART310
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  - **Credit** 3

- **Course No.** GD150
  - **Course Title** Computer Illustration (Illustrator)
  - **Credit** 3

- **Course No.** CS125f
  - **Course Title** Dreamweaver I
  - **Credit** 3

**TOTAL PROGRAM CREDITS**

- **Credit** 47

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Computer Science Department:

Grants Pass ................................................................. 541-956-7213
Medford ................................................................. 541-245-7527
Toll free in Oregon ...................................................... 800-411-6508, Ext. 7213 or Ext. 7527
email ................................ rwcomputerscience@roguecc.edu or rwcomputerscience@roguecc.edu
Web address ......................................................... www.rogue.edu/computerscience
TTY ................................................................. Oregon Telecom Relay Service, 711
Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented proficiency</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT113 Business English I or designated placement test score</td>
<td>4</td>
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</table>

Total Prerequisite Credits: 0-8

Required Technical Courses

First Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math course</td>
<td>4</td>
</tr>
<tr>
<td>GD120</td>
<td>Digital Graphic Design I</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART115</td>
<td>Basic Design (Composition) or ART116 Basic Design (Color Theory)</td>
<td>3</td>
</tr>
<tr>
<td>GD160</td>
<td>Digital Imaging (Photoshop)</td>
<td>3</td>
</tr>
<tr>
<td>CS125dw</td>
<td>Introduction to Dreamweaver</td>
<td>3</td>
</tr>
<tr>
<td>CS195</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
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Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS196</td>
<td>Web Authoring II (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>MTH96</td>
<td>Applied Algebra II or MTH65 Fundamentals of Algebra II or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
</tbody>
</table>

Fourth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS235</td>
<td>Word Press/Content Management Systems (CMS)</td>
<td>3</td>
</tr>
<tr>
<td>CS235w</td>
<td>Website Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS247</td>
<td>Web Analytics and Search Engine Optimization</td>
<td>3</td>
</tr>
<tr>
<td>GD260</td>
<td>Digital Imaging II (Advanced Photoshop)</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 49

1. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Computer Science Department:
Grants Pass                      541-956-7213
Medford                          541-245-7527
Toll free in Oregon              800-411-6508, Ext. 7213 or Ext. 7527
email: pvcomputerscience@roguecc.edu or rvcomputerscience@roguecc.edu
Web address: www.rogue.edu/computerscience
TTY: Oregon Telecom Relay Service, 711

Health Care Informatics Assistant Certificate of Completion

About the Program

The Health Care Informatics Assistant four-term program is designed to prepare students for employment as health care informatics assistants within medical organizations. The program provides skills to prepare students to work in the health care industry. Students will also be provided with basic skills in computer hardware and software to help meet the increasing technical demands of the health care industry.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

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Web address: www.rogue.edu/computerscience
TTY: Oregon Telecom Relay Service, 711
technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies and the Allied Health Department chair’s approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the department chair to determine placement.

Graduation Requirements

The Health Care Informatics Assistant certificate will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH63 Applied Algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-12

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PST101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or MTH66 Applied Algebra II or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or higher level composition</td>
<td>2</td>
</tr>
</tbody>
</table>

Total General Education Requirements: 10

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH110</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI121</td>
<td>Elementary Anatomy and Physiology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI122</td>
<td>Elementary Anatomy and Physiology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>CS125sb</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS179</td>
<td>Introduction to Networks</td>
<td>4</td>
</tr>
<tr>
<td>CS225</td>
<td>Computer End-user Support 1</td>
<td>4</td>
</tr>
<tr>
<td>CS227</td>
<td>PC Hardware Fundamentals and Repair</td>
<td>5</td>
</tr>
<tr>
<td>HCL210</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>HCL210</td>
<td>Legal Aspects of Medical Records</td>
<td>3</td>
</tr>
<tr>
<td>HCL255</td>
<td>Introduction to Health Care Informatics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Courses: 43-44

TOTAL PROGRAM CREDITS: 53-54

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH110</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>BI178</td>
<td>Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>COMP225</td>
<td>Small Group Communication and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>CS125ss</td>
<td>Spreadsheet Applications</td>
<td>4</td>
</tr>
</tbody>
</table>

1 BI1231, BI232, and BI233 Human Anatomy and Physiology I, II, III with lab (the entire sequence) may be substituted.

For more information contact the Allied Health Department:
Grants Pass or Medford ........................................ 541-956-7846
Toll free in Oregon ........................................... 800-411-6508, Ext. 7846
e-mail ..................................................... alliedhealth@roguecc.edu
Web address: ................................................. www.roguecc.edu/alliedhealth
TTY .............................................................. Oregon Telecom Relay Service, 711

Health/Exercise Science/Physical Education Interest

Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a health/exercise science/P.E. major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI211</td>
<td>General Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI212</td>
<td>General Biology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI213</td>
<td>General Biology III with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI231</td>
<td>Anatomy and Physiology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI232</td>
<td>Anatomy and Physiology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI233</td>
<td>Anatomy and Physiology III with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry I with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM105</td>
<td>Introductory Chemistry II with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM106</td>
<td>Introductory Chemistry III with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>HE250</td>
<td>Personal Health</td>
<td>3</td>
<td>Health/PE</td>
</tr>
<tr>
<td>HPE295</td>
<td>Health and Fitness for Life</td>
<td>3</td>
<td>Health/PE</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>PSY215</td>
<td>Life Span Human Development</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
<td>Social Science</td>
</tr>
</tbody>
</table>

Note: Four courses required in the science/math category; additional courses would count as electives.

Oregon public universities offering degrees in this subject:
Eastern Oregon University  www.eou.edu
Southern Oregon University  www.sou.edu
### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI211</td>
<td>General Biology I w/lab</td>
<td>4</td>
</tr>
<tr>
<td>BI212</td>
<td>General Biology II w/lab</td>
<td>4</td>
</tr>
<tr>
<td>BI213</td>
<td>General Biology III w/lab</td>
<td>4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>COMM225</td>
<td>Small Group Communication and Problem-solving or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II or WR227 Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities electives ^2</td>
<td>10-12</td>
</tr>
<tr>
<td>——</td>
<td>Approved social science electives ^3</td>
<td>3-4</td>
</tr>
</tbody>
</table>

### Total General Education Requirements

46-49

### Core Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI231</td>
<td>Anatomy and Physiology I w/lab</td>
<td>4</td>
</tr>
<tr>
<td>BI232</td>
<td>Anatomy and Physiology II w/lab</td>
<td>4</td>
</tr>
<tr>
<td>BI233</td>
<td>Anatomy and Physiology III w/lab</td>
<td>4</td>
</tr>
<tr>
<td>HE208</td>
<td>HIV and Other Epidemics</td>
<td>1</td>
</tr>
<tr>
<td>HE250</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>HE252</td>
<td>First Aid/CPR</td>
<td>3</td>
</tr>
<tr>
<td>HE253</td>
<td>Wilderness First Aid/CPR</td>
<td>3</td>
</tr>
<tr>
<td>HEPE295</td>
<td>Health and Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>NFM225</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>PE185</td>
<td>Physical Education</td>
<td>6</td>
</tr>
<tr>
<td>PE194</td>
<td>Principles of Exercise Training and Conditioning</td>
<td>2</td>
</tr>
<tr>
<td>PE199</td>
<td>Special Studies in Physical Education or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HE199 Special Studies in Health or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HE131 Introduction to Exercise and Sport Science</td>
<td>1-3</td>
</tr>
<tr>
<td>PE264</td>
<td>Fundamentals of Personal Training or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HE259 Care and Prevention of Athletic Injury</td>
<td>2-3</td>
</tr>
<tr>
<td>PE280</td>
<td>CWE/Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE290</td>
<td>Fitness Instructor</td>
<td>2</td>
</tr>
</tbody>
</table>

### Total Core Credits

44-47

### TOTAL PROGRAM CREDITS

90-96

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1. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2. Approved Humanities Electives

(Complete at least three courses from the following list, 10-12 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENG104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENG260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENG275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
</tbody>
</table>

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### About the Program

The Associate of Science (AS) degree is based on a signed articulation agreement with Southern Oregon University (SOU). The program is designed for students transferring to SOU’s bachelor’s degree program in health and physical education. Students must work closely with advisors in their areas of interest to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Graduation Requirements

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are also graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better.

### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ^1</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

### Total Prerequisite Credits

0-16

### General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI211</td>
<td>General Biology I w/lab</td>
<td>4</td>
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<tr>
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<td>4</td>
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<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>COMM225</td>
<td>Small Group Communication and Problem-solving or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication</td>
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<tr>
<td>WR121</td>
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</tr>
<tr>
<td>WR122</td>
<td>English Composition II or WR227 Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities electives ^2</td>
<td>10-12</td>
</tr>
<tr>
<td>——</td>
<td>Approved social science electives ^3</td>
<td>3-4</td>
</tr>
</tbody>
</table>

### Total General Education Requirements

46-49

---

^1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

^2 Approved Humanities Electives

(Complete at least three courses from the following list, 10-12 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
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</tr>
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<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
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<td>4-4-4</td>
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<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
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<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
</tbody>
</table>
3 Approved Social Science Electives

(Complete at least one course from the following list, 3-4 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110,150</td>
<td>Introduction to Cultural Anthropology/Archaeology</td>
<td>4-4</td>
</tr>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA210</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>CJ101/5SOC244</td>
<td>Introduction to Criminology</td>
<td>4</td>
</tr>
<tr>
<td>CJ120</td>
<td>Introduction to the Judicial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJ243/5SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>COMM257</td>
<td>Communication and Gender</td>
<td>4</td>
</tr>
<tr>
<td>ECON115</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON201,202</td>
<td>Principles of Microeconomics/Macroeconomics</td>
<td>4-4</td>
</tr>
<tr>
<td>GEOG110</td>
<td>Introduction to Cultural and Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG120</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>HST104,105</td>
<td>History of World Civilization I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>HST201,202</td>
<td>History of the United States I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>JS110,111</td>
<td>Introduction to International Studies</td>
<td>4-3</td>
</tr>
<tr>
<td>PS110,111</td>
<td>U.S. Government I, II</td>
<td>3-3</td>
</tr>
<tr>
<td>PST101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>PST119</td>
<td>Psychology of Personal Growth</td>
<td>4</td>
</tr>
<tr>
<td>PST201,202</td>
<td>General Psychology I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>PST215</td>
<td>Life Span Human Development</td>
<td>4</td>
</tr>
<tr>
<td>PST219</td>
<td>Introduction to Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PST231</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC204,205</td>
<td>Introduction to Sociology, American Society</td>
<td>4-4</td>
</tr>
<tr>
<td>SOC211</td>
<td>Social Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC218</td>
<td>Sociology of Gender</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
</tr>
<tr>
<td>SOC228</td>
<td>Environment and Society</td>
<td>4</td>
</tr>
<tr>
<td>SOC230</td>
<td>Introduction to Gerontology</td>
<td>4</td>
</tr>
<tr>
<td>SOC235</td>
<td>The Chicano/Latino Historical Experience</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of "C" or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Health/Physical Education/Recreation Department:
Grants Pass .................................................. 541-956-7140
Medford .......................................................... 541-245-7504
Toll free in Oregon ............................................. 800-411-6508, Ext. 7140 or Ext. 7504
email ......................................................... rwchealthpe@roguecc.edu or rwchealthpe@roguecc.edu
Web address .................................................. www.roguecc.edu/HPER
TTY ............................................................. Oregon Telecom Relay Service, 711

High Technology Studies
Certificate of Completion

About the Program
The High Technology Studies four-term certificate program is designed to expand technical knowledge across a range of technical career areas. Students may specialize in a number of technology areas such as welding, manufacturing, machining, computer aided drafting, electronics, and/or computer science by selecting the appropriate technical electives.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Students are required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology Department’s recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services Office and the Electronics Technology Department.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS_____</td>
<td>Approved 3-4 credit computer science class, CS120 or above</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
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</table>

Total Prerequisite Credits 0-16

General Education Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4-5</td>
</tr>
</tbody>
</table>

Mathematics
(Additional math classes may be required as prerequisites to some technical electives.)

Communication

| WR115      | Introduction to Expository Writing or WR121 English Composition I | 3-4     |

Health/First Aid

| HE112      | Emergency First Aid                                 | 1       |

133
## Human Relations

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or PSY101 Psychology of Human Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

## Total General Education Credits 11-13

## Technology Area Credits

(a minimum of 39 credits required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM120</td>
<td>Auto Maintenance and Trades Practices with lab</td>
<td>6</td>
</tr>
<tr>
<td>DS111</td>
<td>Basic Electricity for Diesel Technicians I with lab</td>
<td>7</td>
</tr>
<tr>
<td>DS120</td>
<td>Diesel Trades Practices with lab</td>
<td>6</td>
</tr>
<tr>
<td>DS200</td>
<td>Hydraulic Systems for Heavy Equipment</td>
<td>4</td>
</tr>
<tr>
<td>EET101</td>
<td>Introduction to Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EET106</td>
<td>Electronic Assembly</td>
<td>3</td>
</tr>
<tr>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td>EET113</td>
<td>Exploration of Alternative Energies</td>
<td>3</td>
</tr>
<tr>
<td>EET118</td>
<td>Introduction to Renewable Energy Systems</td>
<td>5</td>
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<tr>
<td>EET120</td>
<td>Renewable Energy Systems (RES) Site Analysis and Design</td>
<td>4</td>
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<tr>
<td>EET121</td>
<td>North American Board of Certified Energy Practitioners (NABCEP) Entry-level Preparation</td>
<td>2</td>
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<tr>
<td>EET125</td>
<td>Electronics Fundamentals I (DC)</td>
<td>6</td>
</tr>
<tr>
<td>EET126</td>
<td>Electronics Fundamentals II (AC)</td>
<td>7</td>
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<tr>
<td>EET130</td>
<td>Digital Fundamentals I</td>
<td>6</td>
</tr>
<tr>
<td>EET131</td>
<td>Digital Fundamentals II</td>
<td>6</td>
</tr>
<tr>
<td>EET132</td>
<td>Fundamentals of Manufacturing I</td>
<td>5</td>
</tr>
<tr>
<td>EET140</td>
<td>Solid State Fundamentals</td>
<td>7</td>
</tr>
<tr>
<td>EET240</td>
<td>Microcontrollers I</td>
<td>3</td>
</tr>
<tr>
<td>LAT122</td>
<td>Small Engine Repair</td>
<td>3</td>
</tr>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MET104</td>
<td>Applied Shop Practices</td>
<td>3</td>
</tr>
<tr>
<td>MET105/WLD104</td>
<td>Blueprint Reading - Mechanical</td>
<td>3</td>
</tr>
<tr>
<td>MET121</td>
<td>CAD I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET122</td>
<td>CAD II: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET123</td>
<td>CAD III: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET160</td>
<td>Materials and Metalurgy</td>
<td>3</td>
</tr>
<tr>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>MFG122</td>
<td>Manufacturing Processes II</td>
<td>4</td>
</tr>
<tr>
<td>MFG123</td>
<td>Manufacturing Processes III</td>
<td>4</td>
</tr>
<tr>
<td>MFG140</td>
<td>CNC Controls</td>
<td>2</td>
</tr>
<tr>
<td>MFG220</td>
<td>Research and Development Prototyping</td>
<td>4</td>
</tr>
<tr>
<td>MFG230</td>
<td>Statistics and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>MFG241</td>
<td>CNC Programming – Mill</td>
<td>4</td>
</tr>
<tr>
<td>MFG242</td>
<td>CAM I: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>MFG243</td>
<td>CAM II: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>MFG244</td>
<td>CNC Programming – Lathe</td>
<td>3</td>
</tr>
<tr>
<td>MFG255</td>
<td>Computer Integrated Manufacturing</td>
<td>4</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II</td>
<td>4</td>
</tr>
<tr>
<td>WLD101</td>
<td>Welding Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>WLD102</td>
<td>Welding Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>WLD111</td>
<td>Technology of Industrial Welding I</td>
<td>6</td>
</tr>
<tr>
<td>WLD112</td>
<td>Technology of Industrial Welding II</td>
<td>6</td>
</tr>
<tr>
<td>WLD113</td>
<td>Technology of Industrial Welding III</td>
<td>6</td>
</tr>
<tr>
<td>WLD211</td>
<td>Technology of Industrial Welding IV</td>
<td>6</td>
</tr>
<tr>
<td>WLD212</td>
<td>Technology of Industrial Welding V</td>
<td>6</td>
</tr>
<tr>
<td>WLD213</td>
<td>Technology of Industrial Welding VI</td>
<td>6</td>
</tr>
<tr>
<td>WLD230</td>
<td>Introduction to Applied Motion</td>
<td>4</td>
</tr>
<tr>
<td>WLD250</td>
<td>Selected Topics in Welding</td>
<td>variable</td>
</tr>
</tbody>
</table>

## Total Technology Area Credits 39

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**HIGH TECHNOLOGY STUDIES: PLANT SYSTEMS TECHNICIAN Career Pathway Certificate**

### About the Program

This three-term pathway sequence of coursework will ensure students a foundational level of skills that may provide a competitive advantage when being considered for hire in a variety of commercial plant environments. With these foundational skills to build on, students are potential candidates for sponsorship by their employers into one of many Bureau of Labor and Industry (BOLI) apprenticeship programs. RCC is not authorized to sponsor entrance into any apprenticeship program, but apprenticeship coursework is provided by the college.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

### Entry Requirements

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

### Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology Department chair’s recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services Office and the Electronics Technology Department.

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**TOTAL PROGRAM CREDITS 50-52**

1 Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Electronics Technology Department:

Grants Pass or Medford .............................................. 541-245-7809
Toll free in Oregon .............................................. 800-411-6508, Ext. 7809
email ......................................................... electronics@roguecc.edu
Web address ......................................................... www.roguecc.edu/electronics
TTY ......................................................... Oregon Telecom Relay Service, 711
### History Interest

**Associate of Arts Oregon Transfer Degree**

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a History major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG107</td>
<td>World Literature I</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>ENG108</td>
<td>World Literature II</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>ENG109</td>
<td>World Literature III</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>HST104</td>
<td>History of World Civilization I</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>HST105</td>
<td>History of World Civilization II</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>HST201</td>
<td>U.S. History I</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>HST202</td>
<td>U.S. History II</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>SPAN201*</td>
<td>Second Year Spanish I</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>SPAN202*</td>
<td>Second Year Spanish II</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>SPAN203*</td>
<td>Second Year Spanish III</td>
<td>4</td>
<td>Humanities</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

*For Bachelor of Arts requirement.

Note: Three courses required in the humanities category; additional courses would count as electives.

Oregon public universities offering degrees in this subject:

- Eastern Oregon University — www.eou.edu
- Southern Oregon University — www.sou.edu
- Portland State University — www.pdx.edu
- Oregon State University — www.oregonstate.edu
- University of Oregon — www.uoregon.edu
- Western Oregon University — www.wou.edu
About the Program
The Human Services program is designed to provide pre-employment training and education for entry-level social service workers and substance abuse counselors through classroom studies and practical experience. They may be serving people in such areas as senior services, crisis counseling, corrections, health, recreation, developmental disabilities, residential treatment or chemical dependency. The agencies provide inpatient and outpatient programs. Students are prepared during the second year of the program to take the exam that provides Certified Alcohol Drug Counselor (CADC) Level 1 certification.

Some courses in this program may not transfer to other institutions. Students intending to transfer should seek advisor assistance to determine transferability.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

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

Prospective students should be aware of entry requirements of human services agencies prior to considering human services as a career choice. Practicum placement may require passing a criminal history background check. The inability to pass this check may preclude completion of the program. Students in recovery seeking placement in substance abuse treatment programs may also be required to demonstrate two years’ sobriety. More information is available from the Human Services Department.

Human Services is a limited-entry program requiring completion of an application that includes a writing sample and personal references. For more information on how to apply, including application deadlines, visit the Human Services website at www.roguecc.edu/humanservices.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Human Services Department coordinator’s approval. In order to ensure that coursework is current, social science courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a faculty member to determine placement.

Graduation Requirements
Students completing the required credits in this program with a grade of “C” or better and passing the counseling skills competency requirement as demonstrated through a series of videotaped counseling interviews will receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. A total of 660 hours of documented practicum (20 credits) is required. A minimum of four practicum seminars must also be completed.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS101</td>
<td>Introduction to Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HS170</td>
<td>Introduction to Practicum</td>
<td>3</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
</tr>
<tr>
<td>PSY231</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC243</td>
<td>Drugs, Crime and Addiccion</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 15-23

Required First Year Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS100</td>
<td>Introduction to Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HS170</td>
<td>Introduction to Practicum</td>
<td>3</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
</tr>
<tr>
<td>PSY231</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC243</td>
<td>Drugs, Crime and Addiccion</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>HS152</td>
<td>Stress Management</td>
<td>1</td>
</tr>
<tr>
<td>HS155</td>
<td>Interviewing Theory and Techniques</td>
<td>4</td>
</tr>
<tr>
<td>HS175</td>
<td>Ethics for Counselors</td>
<td>1</td>
</tr>
<tr>
<td>HS261C</td>
<td>Human Services Practicum and Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
</tr>
<tr>
<td>PSY228</td>
<td>Introduction to Positive Psychology</td>
<td>4</td>
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</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS208</td>
<td>HIV and Infectious Diseases</td>
<td>1</td>
</tr>
<tr>
<td>HS261D</td>
<td>Human Services Practicum and Seminar</td>
<td>4</td>
</tr>
<tr>
<td>HS315</td>
<td>Principles of Client Record Management</td>
<td>1</td>
</tr>
<tr>
<td>HS392</td>
<td>Counseling the Chemically Dependent Client</td>
<td>3</td>
</tr>
<tr>
<td>HS508</td>
<td>Trauma-informed Care: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>PSY215</td>
<td>Life Span Human Development</td>
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</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
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</table>

Total First Year Credits 52-54

Required Second Year Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS152</td>
<td>Stress Management</td>
<td>1</td>
</tr>
<tr>
<td>HS210</td>
<td>Motivational Interviewing</td>
<td>1</td>
</tr>
<tr>
<td>HS201</td>
<td>Family Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>HS211</td>
<td>Counseling the Chemically Dependent Client</td>
<td>3</td>
</tr>
<tr>
<td>HS250</td>
<td>Writing sample</td>
<td>4</td>
</tr>
<tr>
<td>HS261D</td>
<td>Human Services Practicum and Seminar</td>
<td>4</td>
</tr>
<tr>
<td>PSY219</td>
<td>Introduction to Abnormal Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

Fifth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS260</td>
<td>Group Counseling</td>
<td>1</td>
</tr>
<tr>
<td>HS260D</td>
<td>Human Services Practicum and Seminar</td>
<td>4</td>
</tr>
<tr>
<td>HS266</td>
<td>Crisis Intervention Strategies</td>
<td>3</td>
</tr>
<tr>
<td>HS268</td>
<td>Co-occurring Disorders: Introductory Theory and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>SOC230</td>
<td>Introduction to Gerontology</td>
<td>4</td>
</tr>
</tbody>
</table>

Sixth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE261</td>
<td>CPR</td>
<td>1</td>
</tr>
<tr>
<td>HS261E</td>
<td>Human Services Practicum and Seminar</td>
<td>5</td>
</tr>
<tr>
<td>HS265</td>
<td>Counseling Theories</td>
<td>3</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>12-15</td>
</tr>
</tbody>
</table>

Total Second Year Credits 48-54

Total Program Credits 100-108
Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA109</td>
<td>Ready, Set, Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>HC100</td>
<td>Community Health Worker</td>
<td>6</td>
</tr>
<tr>
<td>HS204</td>
<td>Counseling Chemically Dependent Client II</td>
<td>3</td>
</tr>
<tr>
<td>PST119</td>
<td>Psychology of Personal Growth</td>
<td>4</td>
</tr>
<tr>
<td>SOC211</td>
<td>Social Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOC218</td>
<td>Sociology of Gender</td>
<td>4</td>
</tr>
<tr>
<td>SOC221(CJ201</td>
<td>Juvenile Delinquency</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>The Chicano/Latino Historical Experience</td>
<td>4</td>
</tr>
<tr>
<td>SOC237</td>
<td>Communication, Relationships and Technology</td>
<td>4</td>
</tr>
</tbody>
</table>

1. All prerequisite courses are required for graduation and may include additional classes based on placement scores.
2. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Human Services Department:
Grants Pass or Medford. 541-245-7504
Toll free in Oregon 800-411-6508, Ext. 7504
email humanservices@roguecc.edu
Web address www.roguecc.edu/humanservices
TTY 711

Human Services Transfer to Southern Oregon University
Associate of Science Degree

About the Program

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 School of Social Sciences, Health and Physical Education 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.

RCC’s 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 note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

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, courses will be evaluated individually toward the general education requirements in effect at SOU.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Prospective students should be aware of entry requirements of human services agencies prior to considering human services as a career choice. Practicum placement may require passing a criminal history background check. The inability to pass this check may preclude completion of the program. Students in recovery seeking placement in substance abuse treatment programs may also be required to demonstrate two years sobriety. More information is available from the Human Services Department.

Human Services is a limited-entry program requiring completion of an application that includes a writing sample and personal references. For more information on how to apply, including application deadlines, visit the Human Services website, www.roguecc.edu/humanservices.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the department coordinator’s approval. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Human Services Department advisor to determine placement.

Graduation Requirements

Students must successfully complete all credits in this program with a grade of “C” or better and passing the counseling skills competency requirement as demonstrated through a series of videotaped counseling interviews, to receive their degrees. A total of 264 hours (8 credits) of documented practicum is required and a minimum of two practicum seminars must also be completed.

Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

Course No. | Course Title | Credits
---|--------------|-------
CS120 | Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency | 0.4
MTH63 | Applied Algebra I or MTH60 Fundamentals of Algebra I or designated placement test score | 0.4
PSY101 | Psychology of Human Relations | 3
COMM225 | Small Group Communication and Problem-solving or SP100 Basic Communication or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication | 3-4
WR121 | English Composition I | 4

Total Prerequisite Credits: 10-19

General Education Requirements

Course No. | Course Title | Credits
---|--------------|-------
LIB127 | Introduction to Academic Research | 1
MTH243 | Probability and Statistics with lab | 4
SOC204 | Introduction to Sociology | 4
WR122 | English Composition II or WR227 Technical Writing | 4
| Approved humanities electives | 9-12
| Approved science electives | 3-4

Total General Education Requirements: 33-40

Core Requirements

Course No. | Course Title | Credits
---|--------------|-------
HS100 | Introduction to Human Services | 3
HS170 | Introduction to Practicum | 3
PSY201 | General Psychology I | 4
SOC243(CJ243) | Drugs, Crime and Addiction | 4

First Term: 13

Second Term: 15

| Course No. | Course Title | Credits
---|--------------|-------
CG144 | Introduction to Assertiveness | 1
HS152 | Stress Management | 1
HS155 | Interviewing Theory and Techniques | 4
HS175 | Ethics for Counselors | 1
HS261D | Human Services Practicum and Seminar | 4
PSY202 | General Psychology II | 4

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### Third Term
- **HE208** HIV and Infectious Diseases 1
- **HS115** Principles of Client Record Management 1
- **HS202** Counseling the Chemically Dependent Client I 3
- **HS201D** Human Services Practicum and Seminar 4
- **HS158** Trauma-informed Care: Theory and Practice 3
- **PS1215** Life Span Human Development 4

### Fourth Term
- **HDF5260** Child Abuse/Neglect 3
- **HS210** Motivational Interviewing 2

### Fifth Term
- **HS260** Group Counseling 4
- **HS206** Crisis Intervention Strategies 3
- **HS208** Co-occurring Disorders: Introductory Theory and Counseling 2

### Sixth Term
- **HS205** Counseling Theories 3
- **SOC230** Introduction to Gerontology 4

### Total Core Credits
- 68

### TOTAL PROGRAM CREDITS
- 101-108

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1. Required for graduation.
2. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.
3. MTH095 or MTH096 prerequisite required before enrolling in MTH243.

### 4 Approved Humanities Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENG104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENG260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENG275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM100216,217,218,219</td>
<td>Native American Arts and Culture</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS201,202,203</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS204,205,206</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHL101,102,103</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religion</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication (if not taken as part of prerequisite requirement)</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
</tr>
</tbody>
</table>

### 5 Approved Science/Lab Science Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI254</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM211,212,213</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CS195-CS333js</td>
<td>Web Authoring I (HTML/CSS) + Javascript I (non-lab course)</td>
<td>4-4</td>
</tr>
<tr>
<td>CS100</td>
<td>Introductory Computer Science (lab course)</td>
<td>3</td>
</tr>
<tr>
<td>CS101,102,103</td>
<td>Introduction to Graphics I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>G104,105,106,107,108</td>
<td>Physical Science with lab</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geography with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>

Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) terms of college-level foreign language with a grade of “C” or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Human Services Department:
Grants Pass or Medford .............................................. 541-245-7504
Toll free in Oregon .................................................. 800-411-6508, Ext. 7504
e-mail ................................................................. humanservices@roguecc.edu
Web address ......................................................... www.roguecc.edu/humanservices
TTY ................................................................. Oregon Telecom Relay Service, 711

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### Industrial Mechanics and Maintenance Technology Apprenticeship

**Associate of Applied Science Degree**

#### About the Program

The Industrial Mechanics and Maintenance Technology Apprenticeship program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint and Trades Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The degree is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports these BOLI-ATD trades: airframe/power plant technician and boiler operator (4,000 hours); tool and die maker, millwright and motor winder (8,000 hours).
This AAS degree is a credential within Rogue Community College’s Industrial Mechanics and Maintenance Technology Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech. If students intend to transfer to SOU’s Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.sou.edu/degreecompletion.

The degree features general education courses prescribed by Rogue Community College, related training credits previously earned in the certificate of completion, college credit for an earned journey-level card, and some industry electives. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

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

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair. Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This degree does not guarantee licensure.

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or PSY101 Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CS_____</td>
<td>Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency)</td>
<td>3-4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH65 Applied Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I or II</td>
<td>3-4</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total General Education Credits</strong></td>
<td></td>
<td><strong>16-20</strong></td>
</tr>
</tbody>
</table>

Credit for Prior Certification

(Work-based Learning) 3

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR105</td>
<td>Apprenticeship Credit for Prior Learning</td>
<td>11-22</td>
</tr>
<tr>
<td>• Airframe and Power Plant Technician – 16 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Boiler Operator – 11 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Tool and Die Maker – 22 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Millwright – 22 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Motor Winder – 22 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit For Prior Certification</strong></td>
<td></td>
<td>11-22</td>
</tr>
</tbody>
</table>

Related Training

Course No. | Course Title                                      | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>——</td>
<td>Credit toward an Associate of Applied Science degree earned through related apprenticeship training classes:</td>
<td>24-46</td>
</tr>
<tr>
<td>• Airframe and Power Plant Technician – 37 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Boiler Operator – 24 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Tool and Die Maker – 24 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Millwright – 34 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Motor Winder – 46 credits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>——</td>
<td>Any college-level course (numbered 100 or above) to meet minimum degree requirement</td>
<td>2-39</td>
</tr>
</tbody>
</table>

**MINIMUM TOTAL PROGRAM CREDITS REQUIRED**

90

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2 In lieu of WR115 and WR121, students may substitute BT113 Business English I and BT114 Business English II (8 credits total); or BT113 Business English I (or WR115 Introduction to Expository Writing) and three or four credits of speech (SP100 Basic Communication, SP111 Fundamentals of Public Speaking, or SP218 Interpersonal Communication), 6-8 credits total.

3 A maximum of 22 credits can be earned for documented work-based learning for registered apprentices and journey persons. Students must provide a State of Oregon Apprenticeship Training Journeymen card or BOLI-ATD certificate.

For more information contact the Apprenticeship Department:
Grants Pass or Medford................................................. 541-245-7912
Toll free in Oregon .................................................. 800-411-6508, Ext. 7912
email ................................................................. apprenticeship@roguecc.edu
Web address .......................................................... www.roguecc.edu/apprenticeship
TTY ................................................................. Oregon Telecom Relay Service, 711

Industrial Mechanics and Maintenance Technology Apprenticeship Certificate of Completion

About the Program

The Industrial Mechanics and Maintenance Technology Apprenticeship certificate program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint and Trade Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. This certificate is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Cathy Pierson at 541-245-7912. RCC supports these 8,000-hour BOLI-ATD trades: tool and die maker, millwright and motor winder.

The certificate is a credential within Rogue Community College’s Industrial Mechanics and Maintenance Technology Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor’s of science degree at Oregon Tech. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair. Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

**Graduation Requirements**

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT101</td>
<td>Human Relations in Organizations or PSY101 Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>CS</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or higher level composition</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total General Education Credits**

10-14

**Related Training**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>25-46</td>
</tr>
</tbody>
</table>
- Tool and Die Maker – 24 credits
- Millwright – 34 credits
- Motor Winder – 46 credits

**TOTAL PROGRAM CREDITS REQUIRED**

34-60

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Apprenticeship Department:

Grants Pass or Medford .................................................. 541-245-7912
Toll free in Oregon ................................................... 800-411-6508, Ext. 7912
email ................................................................. apprenticeship@roguecc.edu
Web address .......................................................... www.roguecc.edu/apprenticeship
TTY ................................................................. Oregon Telecom Relay Service, 711

**Industrial Mechanics and Maintenance Technology**

**Mechanical Maintenance Apprenticeship**

**Career Pathways Certificate**

**About the Program**

The Mechanical Maintenance Apprenticeship certificate program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The certificate is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Carly Pierson at 541-245-7912. RCC supports these 4,000-hour BOLI-ATD trades: airframe/power plant technician and boiler operator.

The certificate is a credential within Rogue Community College’s Industrial Mechanics and Maintenance Technology Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor’s degree at the Oregon Tech. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

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

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department chair. Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap below and at www.roguecc.edu/Programs/CareerPathways.

---

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/
Completion Requirements

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

Related Training

Course No.  Course Title  Credits
---  ---  ---
_____  ----  ---

Credit toward the certificate earned through related apprenticeship training classes in these trades:
• Airframe and Power Plant Technician – 37 credits
• Boiler Operator – 24 credits

TOTAL PROGRAM CREDITS REQUIRED  24-37

For more information contact the Apprenticeship Department:
Grants Pass or Medford  ........................................  541-245-7912
Toll free in Oregon  ..................................................  800-411-6508, Ext. 7912
email  .................................................................apprenticeship@roguecc.edu
Web address  ...................................................... www.roguecc.edu/apprenticeship
TTY  ................................................................. Oregon Telecom Relay Service, 711

Industrial Welding Technology
Associate of Applied Science Degree

About the Program

The Associate of Applied Science degree in Industrial Welding Technology is designed for students whose goals are to enter the job market as entry-level welders/fabricators. Upon completing the program, students will be qualified to test for certification to the American Welding Society (AWS) D1.1-06 Structural Steel Welding Codes and the AWS D1.3-08 Sheet Steel Welding Code. Students would also be able to test to certify as pipe welders to the American Society of Mechanical Engineers (ASME) Section IX Welding Code, and as Level I Entry Level and Level II Advanced Level Welder by the AWS EG2.0 and 3.0 welder training programs.

Additionally, students will have a good foundation in structural steel layout, pipelining, and sheet metal pattern development. Students will also be prepared with mathematics and communication skills and be knowledgeable of the human relations skills necessary to become valuable employees in the industrial welding field.

If students intend to transfer to SOU’s Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.sou.edu/degreecompletion.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin 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.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College credit will be accepted in accordance with current agreement. Verified industry experience may be substituted for some coursework in accordance with college policy and the department chair’s approval.

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Prerequisites

Course No.  Course Title  Credits
---  ---  ---
_____  ----  ---

BT113  Business English I or  3-4
WR115 Introduction to Expository Writing or higher level composition 1 3-4
CS____  Approved 3-4 credit computer science class, CS120 or above 1 2 0-4
RD30  College Reading or designated placement test score 0-4
MTH20  Pre-algebra or designated placement test score 0-4

Total Prerequisite Credits  3-16

First Year Required Courses

Course No.  Course Title  Credits
---  ---  ---
_____  ----  ---

First Term
HE112  Emergency First Aid  1
MET101  Mechanical Drafting  3
MTH63  Applied Algebra I or  3
MTH60 Fundamentals of Algebra I or higher level math 4
WLD111  Technology of Industrial Welding I 6

Second Term
LIB127  Introduction to Academic Research  1
MFG116  Metrology  2
WLD104  Blueprint Reading – Mechanical  3
WLD112  Technology of Industrial Welding II 6
WLD221  Welding Codes, Procedures and Inspections 3

Third Term
BT114  Business English II or  4
WR121 English Composition I or higher level composition 1 4
PSY101  Psychology of Human Relations or  3
BT101 Human Relations in Organizations 3
WLD113  Technology of Industrial Welding III 6
WLD121  Fabrication and Repair Practices I 2 18

Total First Year Credits  47

Second Year Required Courses

Course No.  Course Title  Credits
---  ---  ---
_____  ----  ---

Fourth Term
GS104  Physical Science with lab or approved program elective 3-4
MFG121  Manufacturing Processes I 4
WLD211  Technology of Industrial Welding IV 6
WLD122  Fabrication and Repair Practices II 2 18-19

Fifth Term
MFG122  Manufacturing Processes II 4
WLD212  Technology of Industrial Welding V 6
WLD220  Machine Tool Maintenance and Repair 3
WLD225  Industrial Metallurgy or  2
MFT160 Materials and Metallurgy 2
Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading and writing. 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.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College credit will be accepted in accordance with current agreement. Verified industry experience may be substituted for some coursework in accordance with college policy and the department chair’s approval.

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

Course No. | Course Title | Credits
--- | --- | ---
BT113 | Business English I or WR115 Introduction to Expository Writing or higher level composition | 3-4
CS____ | Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency | 0-4
MTH20 | Pre-algebra or designated placement test score | 0-4
RD30 | College Reading or designated placement test score | 0-4

Total Prerequisite Credits

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-16</td>
</tr>
</tbody>
</table>

Required Courses

Course No. | Course Title | Credits
--- | --- | ---
HE112 | Emergency First Aid | 1
MET101 | Mechanical Drafting | 3
MTH63 | Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math | 4
WLD111 | Technology of Industrial Welding I | 6
--- | Approved program elective | 0-4

TOTAL PROGRAM CREDITS

| 43-50 |

Approved Program Electives

Course No. | Course Title | Credits
--- | --- | ---
BA109 | Ready, Set, Work: Techniques for Landing a Job | 2
EET101 | Introduction to Electronics | 3
Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. High school College Now credit will be accepted in accordance with current agreement. Verified industry experience may be substituted for some coursework in accordance with college policy and the department chair's approval.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

1 Required for graduation. Students who have successfully completed the 3-credit version of BT113 will have met the writing prerequisite.

2 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Industrial Welding Department:
Grants Pass or Medford ........................................... 541-245-7809
Toll free in Oregon .............................................. 800-411-6508, Ext. 7809
email .................................................. welding@roguecc.edu
Web address .......................................... www.roguecc.edu/welding
TTY ........................................................ Oregon Telecom Relay Service, 711

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/

Industrial Welding Technology: Welder’s Helper
Career Pathways Certificate (22 credits)

- Entry-level work experiences in the welding industry

Industrial Welding Technology
Certificate of Completion (45-50 credits)

- Welding, soldering, and brazing machine setters, operators, and tenders so you can set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Include workers who operate laser cutters or laser-beam machines

Industrial Welding Technology
Associate of Applied Science (AAS) (93-97 credits)

- Welder/fabricator, pipe welder, equipment repairer, cutter, solder, and brazier

Management

SOU, Bachelor of Applied Science articulated with RCC’s AAS degrees

- Supervisor/manager
- Business owner

About the Program

The Welder’s Helper Career Pathways two-term certificate program is designed to recognize students’ accomplishments in welding and prepare them for entry-level work experiences in the welding industry. Students will be prepared with mathematics skills and the understanding of skills necessary to be valuable employees in the industrial welding trades. Credit from this certificate will transfer to the one-year Certificate of Completion and/or the Associate of Applied Science degree in Industrial Welding Technology.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading and writing. 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.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. High school College Now credit will be accepted in accordance with current agreement. Verified industry experience may be substituted for some coursework in accordance with college policy and the department chair’s approval.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Industrial Welding Technology: Welder’s Helper
Career Pathways Certificate

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-12

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WLD111</td>
<td>Technology of Industrial Welding I</td>
<td>6</td>
</tr>
<tr>
<td>WLD112</td>
<td>Technology of Industrial Welding II</td>
<td>6</td>
</tr>
<tr>
<td>WLD221</td>
<td>Welding Codes, Procedures and Inspections</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 22

For more information contact the Industrial Welding Department:
Grants Pass or Medford ........................................... 541-245-7809
Toll free in Oregon .............................................. 800-411-6508, Ext. 7809
email .................................................. welding@roguecc.edu
Web address .......................................... www.roguecc.edu/welding
TTY ........................................................ Oregon Telecom Relay Service, 711


### Information Technology/Health Informatics Option

#### Transfer to Oregon Tech

**Associate of Science Degree**

---

**About the Program**

The Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech. The program is designed for students transferring to its baccalaureate degree program in Information Technology/Health Informatics Option. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 48 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to Oregon Tech.

Students should be aware, however, that if they transfer before completing this degree, their courses will be evaluated individually toward the transfer requirements of the college of their choice. Students should note that Associate of Science is the only designation that is recorded on their transcript and printed degrees.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.rogue.edu/Programs/LearningOutcomes.

---

**Entry Requirements**

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

---

**Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

---

**Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned a "C" or better grade.

---

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS________</td>
<td>Approved 3-4 credit computer science class, CS210 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits:**

0-11

---

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI02</td>
<td>Introduction to Biology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>ECON201</td>
<td>Principles of Microeconomics</td>
<td>4</td>
</tr>
<tr>
<td>ECON202</td>
<td>Principles of Macroeconomics</td>
<td>4</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics with lab</td>
<td>4</td>
</tr>
<tr>
<td>MTH244</td>
<td>Inferential Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>__________</td>
<td>Approved humanities electives</td>
<td>9-12</td>
</tr>
</tbody>
</table>

**Total General Education Requirements:**

57-60

---

### Core Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA206</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>BA211</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA213</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BA223</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CS125d</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS125s</td>
<td>Spreadsheet Applications or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BA285 Advanced Business Applications: Excel</td>
<td>4</td>
</tr>
<tr>
<td>CS40</td>
<td>Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS79</td>
<td>Introduction to Networks</td>
<td>4</td>
</tr>
<tr>
<td>CS133#</td>
<td>Programming Fundamentals Using C#</td>
<td>4</td>
</tr>
<tr>
<td>CS227</td>
<td>PC Hardware Fundamentals and Repair</td>
<td>5</td>
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<tr>
<td>CS275</td>
<td>Data Base Development</td>
<td>4</td>
</tr>
<tr>
<td>HCI120</td>
<td>Introduction to Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>HCI255</td>
<td>Introduction to Health Care Informatics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Core Credits:**

48

**TOTAL PROGRAM CREDITS:**

105-108

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2 **Approved Humanities Electives**

(Complete at least three courses from the following list, 9-12 credits. A maximum of three performance or studio-based credits indicated by an asterisk are allowed.)

---

### Approved Humanities Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART115,116</td>
<td>Basic Design</td>
<td>3-3</td>
</tr>
<tr>
<td>ART131,132,133</td>
<td>Introduction to Drawing</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ART234,235,236</td>
<td>Figure Drawing I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART237,238,239</td>
<td>Illustration</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART281,282,283</td>
<td>Painting I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ENG104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENG260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENG275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS101</td>
<td>Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS111,112,113</td>
<td>Music Theory and Aural Skills I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS211,212,213</td>
<td>Music Theory and Aural Skills IV, V, VI</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
</tbody>
</table>
About the Program

The Landscape Technician four-term (including summer) certificate program prepares students for entry-level positions and possible promotion in related industries including golf course management, landscape design and management, and landscape maintenance. Completion of this program plus one year of work experience qualifies students to take the general landscape contractor’s license exam.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit http://www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Landscape Technician Department’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework.

Graduation Requirements

Students completing all credits in this program with a grade of “C” or better will receive their certificates. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0.4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0.4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-12

Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT110</td>
<td>Plant Identification I</td>
<td>3</td>
</tr>
<tr>
<td>LAT120</td>
<td>Landscape Construction</td>
<td>3</td>
</tr>
<tr>
<td>LAT137</td>
<td>Landscape Management</td>
<td>3</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math I (^1)</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT111</td>
<td>Plant Identification II</td>
<td>3</td>
</tr>
<tr>
<td>LAT130</td>
<td>Turfgrass Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Approved program elective</td>
<td>2</td>
</tr>
</tbody>
</table>

Fourth Term (Summer)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT135</td>
<td>Irrigation Design</td>
<td>3</td>
</tr>
<tr>
<td>LAT180</td>
<td>Cooperative Work Experience/Landscape Technician</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Approved program elective</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL REQUIRED PROGRAM CREDITS: 40

Approved Program Electives

(6 credits required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT109</td>
<td>Arboriculture</td>
<td>3</td>
</tr>
<tr>
<td>LAT115</td>
<td>Ecology of the Siskiyus</td>
<td>3</td>
</tr>
<tr>
<td>LAT118</td>
<td>Oregon Native Plants</td>
<td>3</td>
</tr>
<tr>
<td>LAT142</td>
<td>Site and Landscape Planning</td>
<td>3</td>
</tr>
<tr>
<td>LAT199</td>
<td>Special Studies: Landscape</td>
<td>variable</td>
</tr>
</tbody>
</table>

\(^1\)Available online. For more information and class availability go to http://roguecc.blackboard.com

For more information, contact the Landscape Technician Department:

White City ............................................. 541-245-7901
Toll free in Oregon .................................. 800-411-6508, Ext. 7901
email ............................... landscape@roguecc.edu
Web address ........................................ www.roguecc.edu/landscape
TTY ........................................ Oregon Telecom Relay Service, 711
Manufacturing/Engineering Technology  
Associate of Applied Science Degree

About the Program
This two-year program integrates conventional manufacturing techniques with computer integrated manufacturing skills. Computer aided drafting (CAD) and computer aided manufacturing (CAM) are used as basic tools in the manufacturing engineering process. In addition to technical training, students receive a solid education in mathematics and physical science, along with human relations and computer skills courses.

Graduates typically enter the workforce as computer aided design drafters, entry-level machinists, or computer numerical control (CNC) machine operators or engineering assistants. With additional on-the-job experience, this training facilitates movement into fields such as tool and die maker, quality control inspector, computer aided manufacturing (CAM) programmer, or lower-level supervisory positions. For transfer to a four-year institution in engineering, additional or alternate transfer courses will be recommended.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. Students must also complete any prerequisites on this guide. As part of their training program, students must begin with 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.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and with the Manufacturing/Engineering Technology program coordinator’s recommendation. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. Students must complete coursework in their major at a “C” or better level before proceeding to advanced coursework. Each College Now credit student must meet with the program coordinator to determine placement.

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements
Students are required to complete all courses in this program with a grade of “C” or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits  
0-16

First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MET105</td>
<td>Blueprint Reading - Mechanical</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET104</td>
<td>Applied Shop Practices</td>
<td>3-4</td>
</tr>
<tr>
<td>MET121</td>
<td>Computer Aided Drafting I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET160</td>
<td>Materials and Metallurgy or WLD225 Industrial Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>MFG122</td>
<td>Manufacturing Processes II</td>
<td>4</td>
</tr>
<tr>
<td>MFG240</td>
<td>CNC Controls</td>
<td>2</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>BT113 Business English I or higher level composition</td>
<td></td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MET122</td>
<td>Computer Aided Drafting II: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BT101 Human Relations in Organizations</td>
<td></td>
</tr>
<tr>
<td>MFG123</td>
<td>Manufacturing Processes III</td>
<td>4</td>
</tr>
<tr>
<td>MFG241</td>
<td>CNC Programming – Mill</td>
<td>4</td>
</tr>
</tbody>
</table>

Total First Year Credits  
52-54

Second Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET101</td>
<td>Introduction to Electronics</td>
<td>3</td>
</tr>
<tr>
<td>GS104</td>
<td>Physical Science w/lab or approved program elective</td>
<td>4</td>
</tr>
<tr>
<td>MFG230</td>
<td>Statistics and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>MFG242</td>
<td>CAM I: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>WLD101</td>
<td>Welding Fundamentals I</td>
<td>2</td>
</tr>
</tbody>
</table>

Fourth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG220</td>
<td>Research and Development Prototyping or</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MFG280 Cooperative Work Experience/Manufacturing</td>
<td></td>
</tr>
<tr>
<td>MFG243</td>
<td>CAM II: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>WLD102</td>
<td>Welding Fundamentals II or approved program elective</td>
<td>3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BT114 Business English II or higher level composition</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Approved program electives</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Fifth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG202</td>
<td>Lean Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Approved program electives</td>
<td>3-5</td>
</tr>
</tbody>
</table>

Sixth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE112</td>
<td>Emergency First Aid or approved health/first aid elective</td>
<td>1-3</td>
</tr>
<tr>
<td>MET111</td>
<td>Computer Aided Drafting I: Mechanical (Autodesk Inventor)</td>
<td>3</td>
</tr>
<tr>
<td>MFG255</td>
<td>Computer Integrated Manufacturing or</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MFG280 Cooperative Work Experience/Manufacturing</td>
<td></td>
</tr>
<tr>
<td>MFG262</td>
<td>Lean Manufacturing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Second Year Credits  
49-54

TOTAL PROGRAM CREDITS  
101-108
Approved Program Electives

(minimum 6-9 credits required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA109</td>
<td>Ready. Set. Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III w/lab and recitation</td>
<td>5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III w/lab and recitation</td>
<td>5-5</td>
</tr>
<tr>
<td>CS120</td>
<td>Any CS applications course (CS125/3 highly recommended)</td>
<td>variable</td>
</tr>
<tr>
<td>CS133c</td>
<td>Introduction to C++ Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS235c</td>
<td>Advanced C++ Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS410</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CS179</td>
<td>Introduction to Networks</td>
<td>4</td>
</tr>
<tr>
<td>CS240</td>
<td>Advanced Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>EET106</td>
<td>Electronic Assemblers</td>
<td>3</td>
</tr>
<tr>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td>EET225</td>
<td>Electronics Troubleshooting</td>
<td>3</td>
</tr>
<tr>
<td>ENGR101</td>
<td>Engineering Orientation I: Careers, Skills and Computer Tools</td>
<td>2</td>
</tr>
<tr>
<td>ENGR102</td>
<td>Engineering Orientation II: Careers, Skills and Computer Tools</td>
<td>2</td>
</tr>
<tr>
<td>ENGR103</td>
<td>Engineering Orientation III: Careers, Skills and Computer Tools</td>
<td>2</td>
</tr>
<tr>
<td>ENGR201,201A</td>
<td>Electrical Fundamentals and Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ENGR211</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR212</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR213</td>
<td>Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>LAT122</td>
<td>Small Engine Repair</td>
<td>3</td>
</tr>
<tr>
<td>MFG230</td>
<td>Cooperative Work Experience/Manufacturing</td>
<td>variable</td>
</tr>
<tr>
<td>MET112,113</td>
<td>Computer Aided Drafting II, Ill: Mechanical (Autodesk Inventor)</td>
<td>3-3</td>
</tr>
<tr>
<td>MET123</td>
<td>Computer Aided Drafting III: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MFG199</td>
<td>Selected Topics in Manufacturing</td>
<td>variable</td>
</tr>
<tr>
<td>MFG210</td>
<td>AC/DC Electrical Systems for Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MFG215</td>
<td>Electrical Control Systems and Sensors for Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MFG244</td>
<td>CNC Programming – Lathe</td>
<td>3</td>
</tr>
<tr>
<td>MFG280S</td>
<td>CWE/Manufacturing Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MTH105</td>
<td>Fundamentals of Algebra II or higher level math courses</td>
<td>variable</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III w/lab and recitation</td>
<td>5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III w/lab and recitation</td>
<td>5-5</td>
</tr>
<tr>
<td>WLD102</td>
<td>Welding Fundamentals I (if not taken core requirement)</td>
<td>3</td>
</tr>
<tr>
<td>WLD111,112,113</td>
<td>Technology of Industrial Welding I, II</td>
<td>6-6</td>
</tr>
<tr>
<td>WLD111M</td>
<td>Technology of Industrial Welding for Manufacturing</td>
<td>6</td>
</tr>
<tr>
<td>WLD121,122</td>
<td>Fabrication and Repair Practices I, II</td>
<td>5-5</td>
</tr>
<tr>
<td>WLD230</td>
<td>Introduction to Applied Motion</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2 If not taken as required course.

For more information contact the Manufacturing and Engineering Technology Department:
Grants Pass or Medford ................................................. 541-245-7902
Toll free in Oregon ................................................. 800-411-6508, Ext. 7902
email .................................................. manufacturing@roguecc.edu
Web address .................................................. www.roguecc.edu/manufacturing
TTY ........................................................... Oregon Telecom Relay Service, 711


About the Program

This Career Pathways two-term certificate integrates conventional manufacturing techniques with computer numerical control (CNC) manufacturing skills. This training is the entry point in the Manufacturing Career Pathway leading to the Computer Numerical Control (CNC) Technician program and to a valuable career in the manufacturing engineering technology field. In addition to technical training, students receive a solid foundation in mathematics and computer skills. Graduates typically enter the workforce as computer numerical control (CNC) operators. With additional on-the-job experience and continued education, students can transition into CNC programming and quality control inspection.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit http://www.roguecc.edu/GainfulEmployment.

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Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Manufacturing and Engineering Technology program coordinator’s recommendation. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services Office and the Manufacturing/Engineering Technology Department.

Credits earned in the successful completion of Career Pathways certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap below and at http://www.roguecc.edu/Programs/CareerPathways.

Computer Numerical Control (CNC) Operator Career Pathways Certificate of Completion (28-29 credits)

- Machine operator (Multiple machine tool setters, operators, and tenders, metal and plastic 1
- Computer-controlled machine tool operators (metal and plastic) 1

Computer Numerical Control (CNC) Technician Certificate of Completion (51-53 credits)

- Computer Numerical Control (CNC) Technician 1
- Computer Aided Drafter/Designer (CAD) 1
- Entry-level machinist 1
Completion Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Manufacturing/Engineering Technology – Articulated Associate of Science (AS) Degree (105-108 credits), Transfers to Oregon Tech (OT)
- Mechanical engineering technician 1
- Machinist 1
- Engineering assistant 1

Manufacturing/Engineering Technology – Associate of Applied Science (AAS) Degree (101-108 credits)
- Mechanical engineer 1
- Manufacturing engineer 1
- Industrial engineer 1
- Materials engineer 1

Articulated with OT’s Mechanical Engineering Technology program Bachelor of Science (BS)
- Mechanical engineer 1
- Manufacturing engineer 1
- Industrial engineer 1
- Materials engineer 1

Management, SOU, Bachelor of Applied Science artificated with RCC’s AAS degree
- Supervisor/Manager 1
- Business owner 1

Manufacturing Engineering OT’s Master of Science
- Engineering manager 1
- Natural science manager 1

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
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</table>

Total Prerequisite Credits: 0-12

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MET105</td>
<td>Blueprint Reading - Mechanical</td>
<td>3</td>
</tr>
<tr>
<td>MFG116</td>
<td>Metrology</td>
<td>2</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16</td>
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</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET121</td>
<td>Computer Aided Drafting I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MFG122</td>
<td>Manufacturing Processes II</td>
<td>4</td>
</tr>
<tr>
<td>MFG40</td>
<td>CNC Controls</td>
<td>2</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BRT113 Business English I or higher level composition</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12-13</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 28-29

For more information contact the Manufacturing and Engineering Technology Department:
Grants Pass or Medford ........................................ 541-245-7902
Toll free in Oregon ........................................ 800-411-6508, Ext. 7902
email .................................................. smfoster@roguecc.edu
Web address .............................................. www.roguecc.edu/Manufacturing
TTY ................................................... Oregon Telecom Relay Service, 711

Manufacturing/Engineering Technology: Computer Numerical Control (CNC) Technician Certificate of Completion

About the Program

This three-term certificate integrates conventional manufacturing techniques with computer numerical control (CNC) manufacturing skills. Computer aided drafting (CAD) is used as a basic tool in the manufacturing engineering process. In addition to technical training, students receive a solid education in mathematics, along with human relations and computer skills courses. Graduates typically enter the workforce as computer numerical control (CNC) technicians or computer aided design drafters. With additional on-the-job experience, this training facilitates movement into fields such as quality control inspector and CNC programmer. This certificate completes the first-year requirements for RCC’s Manufacturing and Engineering Technology AAS degree program.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment. The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. Students must also complete any prerequisites. As part of their training program, students must begin with 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.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Manufacturing and Engineering Technology program coordinator’s recommendation. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services Office and the Manufacturing/Engineering Technology Department.

Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.
Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
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</tbody>
</table>

Total Prerequisite Credits: 0-16

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MET105</td>
<td>Blueprint Reading - Mechanical</td>
<td>3</td>
</tr>
<tr>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MET110</td>
<td>Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>MET121</td>
<td>CAD I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET160</td>
<td>Materials and Metallurgy or WLD225 Industrial Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>MFG122</td>
<td>Manufacturing Processes II</td>
<td>4</td>
</tr>
<tr>
<td>MFG140</td>
<td>CNC Controls</td>
<td>2</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT113 Business English I or higher level composition</td>
<td>3-4</td>
</tr>
<tr>
<td>WR116</td>
<td>Writing</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET104</td>
<td>Applied Shop Practices or MTH112 Elementary Functions</td>
<td>3-4</td>
</tr>
<tr>
<td>MET121</td>
<td>CAD I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET160</td>
<td>Materials and Metallurgy or WLD225 Industrial Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>MFG122</td>
<td>Manufacturing Processes II</td>
<td>4</td>
</tr>
<tr>
<td>MFG140</td>
<td>CNC Controls</td>
<td>2</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT113 Business English I or higher level composition</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET122</td>
<td>CAD II: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MFG123</td>
<td>Manufacturing Processes III</td>
<td>4</td>
</tr>
<tr>
<td>MFG241</td>
<td>CNC Programming - Mill</td>
<td>4</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or BT101 Human Relations in Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 51-53

1 Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Manufacturing and Engineering Technology Department:

Grants Pass or Medford .......................... 541-245-7902
Toll free in Oregon .............................. 800-411-6508, Ext. 7902
e-mail ........................................... manufacturing@roguecc.edu
Web address .................................... www.roguecc.edu/manufacturing
TTY ................................................ Oregon Telecom Relay Service, 711

Manufacturing/Engineering Technology Transfer to Oregon Tech

Associate of Science Degree

About the Program

Based on a signed articulation agreement, Rogue Community College and Oregon Tech offer an Associate of Science degree for students who want to pursue a bachelor’s degree in manufacturing.

This degree was developed as a cooperative venture between Oregon Tech and RCC, and offers knowledge and application components drawn from curriculum at both institutions.

The Associate of Science degree transfers directly into the bachelor’s degree program at Oregon Tech in Manufacturing/Engineering Technology and graduates are guaranteed junior standing in the program. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

Students must work closely with their advisors to ensure transferability of their program. If students transfer before completing this degree or transfer in a major not covered by prior agreements, their courses will be evaluated individually toward the transfer requirements of the college of their choice.

Students are advised to obtain written approval from Oregon Tech to guarantee their catalog of transfer for three years.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students are required to take a placement test to determine skill level in math, reading, and writing. 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.

Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Graduation Requirements

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

For information contact the Manufacturing and Engineering Technology Department:

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Based on a signed articulation agreement, Rogue Community College and Oregon Tech offer an Associate of Science degree for students who want to pursue a bachelor’s degree in manufacturing. This degree was developed as a cooperative venture between Oregon Tech and RCC, and offers knowledge and application components drawn from curriculum at both institutions. The Associate of Science degree transfers directly into the bachelor’s degree program at Oregon Tech in Manufacturing/Engineering Technology and graduates are guaranteed junior standing in the program. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees.

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Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS____</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test score</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-15

First Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities elective</td>
<td>1-4</td>
</tr>
</tbody>
</table>

First Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved humanities elective</td>
<td>1-4</td>
</tr>
</tbody>
</table>
### Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MET121</td>
<td>Computer Aided Drafting I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET160</td>
<td>Materials and Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
</tbody>
</table>

### Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET122</td>
<td>Computer Aided Drafting II: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MFG241</td>
<td>Computer Numerical Control Programming - Mill</td>
<td>4</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
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<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
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</table>

### Fourth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>WLD101</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>CS125s</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BA285 Advanced Business Applications: Excel</td>
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</tbody>
</table>

### Total First Year Credits

**57-60**

### Second Year Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MFG242</td>
<td>Computer Aided Manufacturing I: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>MTH244</td>
<td>Inferential Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I (Differential)</td>
<td>5</td>
</tr>
<tr>
<td>PH211</td>
<td>General Physics (Calculus Based) I with lab and recitation or PH201 General Physics I with lab and recitation</td>
<td>5</td>
</tr>
</tbody>
</table>

### Sixth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG230</td>
<td>Statistics and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>MFG243</td>
<td>Computer Aided Manufacturing II: Mastercam</td>
<td>4</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II (Integral)</td>
<td>5</td>
</tr>
<tr>
<td>PH212</td>
<td>General Physics (Calculus Based) II with lab and recitation or PH202 General Physics II with lab and recitation</td>
<td>5</td>
</tr>
</tbody>
</table>

### Seventh Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry I w/lab and recitation or CHEM221 General Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
</tbody>
</table>

### Total Second Year Credits

**48**

### TOTAL PROGRAM CREDITS

**105-108**

1. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

### 2 Approved Humanities Electives

(Complete at least two courses from the following list, 6-8 credits. A maximum of three performance or studio-based credits indicated by asterisk are allowed.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART115,116*</td>
<td>Basic Design</td>
<td>3-3</td>
</tr>
<tr>
<td>ART131,132,133*</td>
<td>Introduction to Drawing</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ART234,235,236*</td>
<td>Figure Drawing I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART237,238,239*</td>
<td>Illustration</td>
<td>3-3-3</td>
</tr>
<tr>
<td>ART281,282,283*</td>
<td>Painting I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>EN104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
</tr>
<tr>
<td>EN107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>EN201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>EN204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG535,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>EN257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>EN260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>EN275</td>
<td>The Bible as Literature</td>
<td>4</td>
</tr>
<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>HUM152,156,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>MUS101</td>
<td>Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS111,112,113</td>
<td>Music Theory and Aural Skills I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
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</tr>
<tr>
<td>MUS211,212,213</td>
<td>Music Theory and Aural Skills IV, V, VI</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PH211,212,213,214,215,216,217,218,219</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
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<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

### 3 Approved Social Science Electives

(Complete at least one course from the following list, 3-4 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110,115</td>
<td>Introduction to Cultural Anthropology/Archaeology</td>
<td>4-4</td>
</tr>
<tr>
<td>CJI100</td>
<td>Foundations and Ethics in Criminal Justice</td>
<td>4</td>
</tr>
<tr>
<td>CJI10USOC244</td>
<td>Introduction to Criminology</td>
<td>4</td>
</tr>
<tr>
<td>CJI110</td>
<td>Introduction to Law Enforcement</td>
<td>4</td>
</tr>
<tr>
<td>CJI20</td>
<td>Introduction to the Judicial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJI30</td>
<td>Introduction to Corrections</td>
<td>4</td>
</tr>
<tr>
<td>CJI205SOC221</td>
<td>Juvenile Delinquency</td>
<td>4</td>
</tr>
<tr>
<td>CJI214</td>
<td>Crime, Justice and Diversity</td>
<td>4</td>
</tr>
<tr>
<td>CJ243SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>ECON201,202</td>
<td>Principles of Microeconomics/Macroeconomics</td>
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<tr>
<td>GEOG110</td>
<td>Introduction to Cultural and Human Geography</td>
<td>3</td>
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<tr>
<td>GEOG120</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST104,105</td>
<td>History of World Civilization I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>HIST201,202</td>
<td>History of the United States I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>IS111</td>
<td>Introduction to International Studies II</td>
<td>3</td>
</tr>
<tr>
<td>PS201,202,203</td>
<td>U.S. Government I, II, III</td>
<td>3-3-3</td>
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<tr>
<td>PSY101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>PSY119</td>
<td>Psychology of Personal Growth</td>
<td>4</td>
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<tr>
<td>PSY201,202</td>
<td>General Psychology I, II</td>
<td>4-4</td>
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<tr>
<td>PSY219</td>
<td>Introduction to Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY231</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC204,205</td>
<td>Introduction to Sociology, American Society</td>
<td>4-4</td>
</tr>
<tr>
<td>SOC211</td>
<td>Social Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC218</td>
<td>Sociology of Gender</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
</tr>
<tr>
<td>SOC228</td>
<td>Environment and Society</td>
<td>4</td>
</tr>
<tr>
<td>SOC230</td>
<td>Introduction to Gerontology</td>
<td>4</td>
</tr>
</tbody>
</table>
Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of "C" or better (may be first year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.

For more information contact the Manufacturing/Engineering Technology Department:
Grants Pass or Medford .......................... 541-245-7902
Toll free in Oregon .......................... 800-411-6508, Ext. 7902
e-mail ................................................ manufacturing@roguecc.edu
Web address ........................................ www.roguecc.edu/manufacturing
TTY ................................................ Oregon Telecom Relay Service, 711

Massage Therapy
Certificate of Completion

Fall 2017 Program Admission
About the Program
The Massage Therapy four-term certificate program provides a comprehensive combination of classroom and hands-on experience in massage therapy. The courses and total hours meet the requirements for application to the Oregon Board of Massage Therapists for licensure and the Federation of State Massage Therapy Board’s Licensing Examination. Oregon law, however, sets the qualifications for certification of applicants. Grounds for denial of state licensure include physical or mental conditions that would make an applicant unable to safely conduct a massage, or conviction of a crime that bears a demonstrable relationship to the practice of massage. See Oregon Law 687.081.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

If students intend to transfer to Oregon Tech’s bachelor’s degree in Allied Health Management after successfully passing the registry or licensure exam, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.oit.edu/programs/klamath-falls/management/allied-health-management/overview.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading and writing. 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.

Massage Therapy is a limited-entry program. Interested applicants must attend a mandatory information session. The timeline for submitting program application materials for fall 2017 admission is April 1-June 24, 2017. Applicants will be accepted on a first-come, first-served basis once all appropriate documentation has been submitted. It is recommended that students receive varicella-zoster, rubella, Hepatitis A, and Hepatitis B series immunizations prior to entering the program. A tuberculosis test, drug and alcohol test, and a criminal background check may be required for Cooperative Work Experience activities. Students are required to have health insurance, which is included in their tuition. Students must attend a mandatory orientation prior to the beginning of fall term.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Massage Therapy Department chair’s approval. Sealed official transcripts and a transfer credit evaluation request must be submitted to RCC’s Enrollment Services Office by May 1 to be considered in the application process. The transfer credit evaluation request may only be submitted online.

Graduation Requirements
Students completing all credits in this program with a grade of "C" or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

Prerequisites

Course No. | Course Title | Credits
---|---|---
CG100 | College Success and Survival or transcript showing at least 36 college credits with at least a 2.0 GPA | 0-2
MTH20 | Pre-algebra or designated placement test score | 0-4
RD30 | College Reading or designated placement test score | 0-4
WR115 | Introduction to Expository Writing or Business English I or higher level composition | 3-4

Total Prerequisite Credits | 3-14

Recommended Preparatory Courses

Course No. | Course Title | Credits
---|---|---
AH101 | Medical Terminology: Introduction | 3
BI211 | General Biology I w/lab | 4

Required Courses

Course No. | Course Title | Credits
---|---|---
First Term
CS____ | Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency | 0-4
HE261 | CPR or HE252 First Aid/CPR | 1-3
MTH63 | Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math or higher level math | 4
PSY101 | Psychology of Human Relations or BT101 Human Relations in Organizations | 3

Second Term
BI121 | Elementary Anatomy and Physiology I w/lab or BI231 Anatomy and Physiology I w/lab | 4
MT100 | Massage I – Basic Swedish | 2
MT101 | Asian Bodywork I | 2
MT108 | Kinesiology for Massage Therapists w/lab | 4
—— | Approved program elective | 0-2

Third Term
BI122 | Elementary Anatomy and Physiology II w/lab or BI232 Anatomy and Physiology II w/lab and BI233 Anatomy and Physiology III w/lab | 4-8
MT102 | Massage II – Swedish | 2
MT105 | Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients | 3
MT106 | Integrated Studies in Massage I (Upper Body) | 2
MT109 | Pathology for Massage Therapists | 4
MT121 | Asian Bodywork II | 2

Fourth Term
MT103 | Massage III – Swedish | 2
MT107 | Integrated Studies in Massage II (Lower Body) | 2
MT116 | Massage Exam Review | 2
MT120A | Business for Massage Therapists | 1
If students intend to transfer to Oregon Tech's bachelor's degree in Allied Health Management after relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

For application to the Oregon Board of Massage Therapists for licensure and the Federation of State Massage Therapy Administrators (FSMTA) for certification of applicants. Grounds for denial of state licensure include physical or mental conditions that would make an applicant unable to safely conduct a massage, or conviction of a crime that bears a demonstrable relationship to the practice of massage. See Oregon Law 687.081.

The Entry-level Massage Therapist three-term career pathways certificate meets the requirements for application to the Oregon Board of Massage Therapists for licensure and the Federation of State Massage Therapy Board’s Licensing Examination. Oregon law, however, sets the qualifications for certification of applicants. Grounds for denial of state licensure include physical or mental conditions that would make an applicant unable to safely conduct a massage, or conviction of a crime that bears a demonstrable relationship to the practice of massage. See Oregon Law 687.081.

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If students intend to transfer to Oregon Tech’s bachelor’s degree in Allied Health Management after successfully passing the registry or licensure exam, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.oit.edu/programs/klamath-falls/management/allied-health-management/overview.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

**Entry Requirements**

Students are required to take a placement test to determine skill level and readiness in math, reading and writing. 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.

Massage Therapy is a limited-entry program. Interested applicants must attend a mandatory massage therapy information session. The timeline for submitting program application materials for fall 2017 admission is April 1-June 24, 2017. Applicants will be accepted on a first-come, first-served basis once prerequisites are completed. It is recommended that students receive varicella-zoster, rubella, Hepatitis A, and Hepatitis B series immunizations prior to entering the program. A tuberculin test, drug and alcohol test, and a criminal background check may be required for Cooperative Work Experience activities. Students are required to buy massage student liability insurance prior to enrolling in MT102 (approximately $45). Students must attend a mandatory orientation prior to the beginning of fall term.

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Massage Therapy Department chair’s approval. Sealed official transcripts and a transfer credit evaluation request must be submitted to RCC’s Enrollment Services Office by May 1 to be considered in the application process. The transfer credit evaluation request may only be submitted online.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA109</td>
<td>Ready, Set, Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>BT228</td>
<td>Computer Accounting Applications</td>
<td>2</td>
</tr>
<tr>
<td>BT351</td>
<td>Practical Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BT250</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MT110</td>
<td>Polarity Therapy</td>
<td>2</td>
</tr>
<tr>
<td>MT111</td>
<td>Sport Massage</td>
<td>2</td>
</tr>
<tr>
<td>MT112</td>
<td>Massage for Pregnancy and Infant/Child</td>
<td>2</td>
</tr>
<tr>
<td>MT113</td>
<td>Myofascial Release</td>
<td>2</td>
</tr>
<tr>
<td>MT115</td>
<td>Trigger Point Therapy</td>
<td>2</td>
</tr>
<tr>
<td>MT117</td>
<td>Body Maintenance for Massage Therapists</td>
<td>2</td>
</tr>
<tr>
<td>MT118</td>
<td>Deep Tissue Massage</td>
<td>2</td>
</tr>
<tr>
<td>MT119</td>
<td>Introduction to Craniosacral Therapy</td>
<td>2</td>
</tr>
<tr>
<td>MT130</td>
<td>Polarity Therapy II</td>
<td>2</td>
</tr>
<tr>
<td>MT180</td>
<td>Cooperative Work Experience/Massage</td>
<td>variable</td>
</tr>
<tr>
<td>MT199</td>
<td>Selected Topics: Massage</td>
<td>variable</td>
</tr>
</tbody>
</table>

1 Required for graduation. Students who have successfully completed the 3-credit version of BT113 will have met the writing requirement.

2 BI231 is a prerequisite for BI232. If BI231 is taken, students must also complete BI232 and BI233.

3 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Massage Therapy Department:

Grants Pass or Medford ........................................ 541-956-7066
Toll free in Oregon ........................................ 800-411-6508, Ext. 7066
email .................................................................. massage@roguecc.edu
Website ......................................................... www.roguecc.edu/massage
TTY ...................................................................... Oregon Telecom Relay Service, 711

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**Massage Therapy: Entry-level Therapist**

**Career Pathways Certificate**

**Fall 2017 Program Admission**

**About the Program**

The Entry-level Massage Therapist three-term career pathways certificate meets the requirements for application to the Oregon Board of Massage Therapists for licensure and the Federation of State Massage Therapy Board’s Licensing Examination. Oregon law, however, sets the qualifications for certification of applicants. Grounds for denial of state licensure include physical or mental conditions that would make an applicant unable to safely conduct a massage, or conviction of a crime that bears a demonstrable relationship to the practice of massage. See Oregon Law 687.081.

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If students intend to transfer to Oregon Tech’s bachelor’s degree in Allied Health Management after successfully passing the registry or licensure exam, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.oit.edu/programs/klamath-falls/management/allied-health-management/overview.

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**Entry Requirements**

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**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Massage Therapy Department chair’s approval. Sealed official transcripts and a transfer credit evaluation request must be submitted to RCC’s Enrollment Services Office by May 1 to be considered in the application process. The transfer credit evaluation request may only be submitted online.

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<th>Course No.</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG100</td>
<td>College Success and Survival or transcript showing at least 36 college credits with at least a 2.0 GPA</td>
<td>0-2</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

1 For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/
### Recommended Preparatory Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI211</td>
<td>General Biology I w/lab</td>
<td>4</td>
</tr>
</tbody>
</table>

### Required Courses

**First Term**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI121</td>
<td>Elementary Anatomy and Physiology I w/lab</td>
<td>4</td>
</tr>
<tr>
<td>MT100</td>
<td>Massage I – Basic Swedish</td>
<td>2</td>
</tr>
<tr>
<td>MT101</td>
<td>Asian Bodywork I</td>
<td>2</td>
</tr>
<tr>
<td>MT108</td>
<td>Kinesiology for Massage Therapists w/lab</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
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**Second Term**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BI122</td>
<td>Elementary Anatomy and Physiology II w/lab</td>
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</tr>
<tr>
<td>MT102</td>
<td>Massage II – Swedish</td>
<td>2</td>
</tr>
<tr>
<td>MT105</td>
<td>Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients</td>
<td>3</td>
</tr>
<tr>
<td>MT106</td>
<td>Integrated Studies in Massage I (Upper Body)</td>
<td>2</td>
</tr>
<tr>
<td>MT109</td>
<td>Pathology for Massage Therapists</td>
<td>4</td>
</tr>
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<td></td>
<td><strong>Total</strong></td>
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**Third Term**

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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>HE261</td>
<td>CPR</td>
<td>1</td>
</tr>
<tr>
<td>MT103</td>
<td>Massage III – Swedish</td>
<td>2</td>
</tr>
<tr>
<td>MT107</td>
<td>Integrated Studies in Massage II (Lower Body)</td>
<td>2</td>
</tr>
<tr>
<td>MT116</td>
<td>Massage Exam Review</td>
<td>2</td>
</tr>
<tr>
<td>MT120A</td>
<td>Business for Massage Therapists</td>
<td>1</td>
</tr>
<tr>
<td>MT120B</td>
<td>Business for Massage Therapists</td>
<td>2</td>
</tr>
<tr>
<td>MT121</td>
<td>Asian Bodywork II</td>
<td>2</td>
</tr>
<tr>
<td>MT180</td>
<td>Cooperative Work Experience/Massage Practicum</td>
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</tr>
<tr>
<td>MT180S</td>
<td>Cooperative Work Experience/Massage Seminar</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
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</tr>
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</table>

**TOTAL PROGRAM CREDITS**

**43**

### Approved Program Electives

(2 credits required)

<table>
<thead>
<tr>
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<td>Polarity Therapy</td>
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<td>Sport Massage</td>
<td>2</td>
</tr>
<tr>
<td>MT112</td>
<td>Massage for Pregnancy and Infant/Child</td>
<td>2</td>
</tr>
<tr>
<td>MT113</td>
<td>Myofascial Release</td>
<td>2</td>
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<tr>
<td>MT115</td>
<td>Trigger Point Therapy</td>
<td>2</td>
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<tr>
<td>MT117</td>
<td>Body Maintenance for Massage Therapists</td>
<td>2</td>
</tr>
<tr>
<td>MT118</td>
<td>Deep Tissue Massage</td>
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</tr>
<tr>
<td>MT119</td>
<td>Introduction to Craniosacral Therapy</td>
<td>2</td>
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<tr>
<td>MT130</td>
<td>Polarity Therapy II</td>
<td>2</td>
</tr>
<tr>
<td>MT180</td>
<td>Cooperative Work Experience/Massage</td>
<td>variable</td>
</tr>
<tr>
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<td>Selected Topics: Massage</td>
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</tr>
</tbody>
</table>

For more information contact the Massage Therapy Department:

Grants Pass or Medford .......................... 541-956-7066
Toll free in Oregon .............................. 800-411-6508, Ext. 7066
email ................................................ massage@roguecc.edu
Website ............................................. www.roguecc.edu massage
TTY ................................................. Oregon Telecom Relay Service, 711

### Math Interest

**Associate of Arts Oregon Transfer Degree**

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a math major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability &amp; Statistics</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>MTH253</td>
<td>Calculus III</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>MTH254</td>
<td>Vector Calculus</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
<tr>
<td>MTH211-213*</td>
<td>Fundamentals of Elementary Math</td>
<td>5</td>
<td>Elective</td>
</tr>
</tbody>
</table>

*For students interested in teaching.

Note: Two math courses required between the science and math categories; additional courses would count as electives.

Oregon public universities offering degrees in this subject:

- Eastern Oregon University  www.ou.edu
- Southern Oregon University  www.sou.edu
- Portland State University  www.pdx.edu
- Oregon State University  www.oregonstate.edu
- University of Oregon  www.uoregon.edu
- Western Oregon University  www.wou.edu

### Medical Administrative Assistant

**Certificate of Completion**

**About the Program**

The two-term Medical Administrative Assistant program will prepare students for entry-level employment in a healthcare setting. Medical administrative assistants are in many ways similar to other administrative assistants, but they have specialized knowledge about healthcare and the specifics about the type of practice for which they work. They are an essential part of running an efficient medical practice. Effective communication with both patients and medical staff, medical terminology, insurance and billing cycles, and general office procedures are included in this program. Students completing this program will be prepared to take the national Certified Medical Administrative Assistant (CMAA) exam, although certification is not an employment requirement at this time.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational
Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Medical Administrative Assistant is a cohort-based program and enrollment is limited. Students are required to take a placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Cohort students must meet certain minimum academic requirements (MTH20, RD30, and WR30 or designated placement scores) before starting the program. Visit www.roguecc.edu/alliedhealth/maa for program application details.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements
These requirements apply only to students admitted to the program during the 2016-17 academic year. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of “C” or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of “P” for these courses indicate a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits: 0-12

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>AH105</td>
<td>Communication and Professional Behavior</td>
<td>2</td>
</tr>
<tr>
<td>AH120</td>
<td>Medical Administrative Assistant I</td>
<td>4</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I or WR115 Introductory to Expository Writing or higher level composition</td>
<td>3-4</td>
</tr>
<tr>
<td>CS___</td>
<td>Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency</td>
<td>0-4</td>
</tr>
</tbody>
</table>

First Term

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH121</td>
<td>Medical Administrative Assistant II</td>
<td>4</td>
</tr>
<tr>
<td>AH123</td>
<td>Legal and Ethical issues for Medical Administrative Assistants</td>
<td>2</td>
</tr>
<tr>
<td>AH130</td>
<td>Concepts in Medical Insurance and Billing</td>
<td>4</td>
</tr>
<tr>
<td>RA109</td>
<td>Ready, Set, Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>___</td>
<td>Approved program elective(s)</td>
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TOTAL PROGRAM CREDITS: 24-33

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems</td>
<td>3</td>
</tr>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>CG155</td>
<td>Exploring Careers in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>EMS165</td>
<td>Introduction to Pharmacology for Health Occupations</td>
<td>2</td>
</tr>
<tr>
<td>HCH120</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN101,102,103</td>
<td>Fine Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
</tbody>
</table>

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
2 Additional prerequisites may apply.

For more information regarding the program and selection process, contact the Allied Health Occupations Department:
Grants Pass or Medford: 541-245-7857
Toll free in Oregon: 800-460-6766, Ext. 7857
email: alliedhealth@roguecc.edu
Web address: www.roguecc.edu/alliedhealth/maa
TTY: Oregon Telecom Relay Service, 711

Medical Assistant Certificate of Completion

About the Program
Medical assistants are health care practitioners qualified by education, experience, and examination to assist doctors in the performance of patient care, examination, and documentation. These multi-skilled practitioners, under the supervision of a physician, perform or assist in taking patient vitals, front office medical administrative tasks, back office clinical procedures, and ECG testing. Medical assistants are the face of medical offices and are often the first people with whom patients come into contact. They may perform basic medical coding and billing, scheduling, and patient flow and triage. Other duties may include waived testing, phlebotomy and specimen collection. Medical assistants are responsible for recording patient information into the electronic medical records systems and must be able to master various computer software programs.

Successful completion of this three-term program prepares students to be eligible for the Certified Medical Assistant (CCMA) exam through the National Healthcrazer Association (NHA), or other national Medical Assisting accrediting agencies, and the American Society of Clinical Pathologists (ASCP) phlebotomy certification exam. Since January 2015, most medical practices require medical assistants to have a national certification. The phlebotomy certification is not required but will strongly improve employability. The curriculum for the program is based on the standards and guidelines for the CMA and ASCP phlebotomy certifications, which can be reviewed on the following websites: NHA www.nhanow.com and ASCP www.ascp.org/. Students attend classes as part of a cohort structure and most courses will be offered online or in the evening.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment. The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Students may opt to continue their education by transferring to Oregon Tech for a bachelor’s degree in Healthcare Management with a clinical option or by completing additional requirements and applying to the Nursing program at either RCC or Oregon Health and Science University.
Entry Requirements/Application Process

This is a competitive-entry program because of limited clinical space in medical offices as well as the delicate balance of job opportunities in medical assisting. Enrollment is limited. Students are required to take a placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Cohort students must meet certain minimum academic requirements (CS120, MTH63, RD30, and WR115 or designated placement test scores) before the program start date.

Program admission occurs two times per year. Visit www.roguecc.edu/alliedhealth/ma for program application details. Students must show evidence of beginning the Hepatitis B immunization series during the first term or sign a waiver acknowledging the risk factors involved without the immunization. They must complete all health and immunization requirements and background check prior to starting the program, and a drug screen prior to starting practicum experience. This screening process is through Certified Background and has an associated fee. Contact the Allied Health Department for more information.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements

These requirements apply only to Medical Assistant students admitted to the program during the 2016-17 academic year. The program of study, graduation requirements, and courses are subject to change without notice. Students completing the program in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of “C” or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of “P” for these courses indicates the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS________</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency 1</td>
<td>0-4</td>
</tr>
<tr>
<td>HE252</td>
<td>First Aid/CPR or</td>
<td>2-3</td>
</tr>
<tr>
<td>HE261 CPR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid 2</td>
<td></td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or designated placement test score</td>
<td></td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introductory to Expository Writing or</td>
<td>0-4</td>
</tr>
<tr>
<td></td>
<td>BT113 Business English I or higher level composition class or designated placement test score</td>
<td></td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 2-19

Required Core Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>AH101</td>
<td>Medical Assistant: Administrative</td>
<td>3</td>
</tr>
<tr>
<td>AH102</td>
<td>Medical Assistant: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>AH106</td>
<td>Legal and Ethical Issues for Medical Assistants</td>
<td>2</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems 1</td>
<td>3</td>
</tr>
<tr>
<td>______</td>
<td>Approved program electives</td>
<td>0-3</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH103</td>
<td>Medical Assistant: Specialty</td>
<td>3</td>
</tr>
<tr>
<td>AH104</td>
<td>Phlebotomy</td>
<td>3</td>
</tr>
<tr>
<td>AH105</td>
<td>Communication and Professional Behavior</td>
<td>2</td>
</tr>
</tbody>
</table>

AH110 Medical Terminology: Clinical 3
AH170 Medical Assistant Practicum and Seminar 4

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH171</td>
<td>Medical Assistant Practicum and Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EMS160</td>
<td>Electrocardiogram (ECG) Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>EMS165</td>
<td>Introduction to Pharmacology for Health Occupations</td>
<td>1</td>
</tr>
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</table>

TOTAL PROGRAM CREDITS 41-44

Approved Program Electives

(maximum of 3 credits allowed):

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>CG155</td>
<td>Exploring Careers in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HC120</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
</tbody>
</table>

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.
2 Course completed before the second term of the program satisfies the requirement.
3 Students who have completed either BI121 and BI122 or BI231, BI232, and BI233 (the entire sequence of either series) with an equivalent “C” or better grade do not need to take BI100SB.

For more information regarding the program and selection process, contact the Allied Health Occupations Department:
Grants Pass or Medford ........................................ 541-245-7852
Toll free in Oregon ............................................. 800-460-6760, Ext. 7852
email .......................................................... alliedhealth@roguecc.edu
Web address .......................................................... www.roguecc.edu/AlliedHealth/MA
TTY ............................................................... Oregon Telecom Relay Service, 711

Medical Assistant: Phlebotomy Career Pathways Certificate

About the Program

The phlebotomy program is a one-term program that prepares students to become licensed phlebotomists. Phlebotomists use proper prioritization procedures and coordinate collection of all phlebotomy specimens with other lab personnel. They must consistently provide phlebotomy services appropriate to the age and condition of patients to minimize re-draws (i.e., improper amounts, correct samples) and must strictly adhere to patient identification protocols as specified by regulatory requirements. This includes demonstrating knowledge of all patient safety precautions such as isolations and safety devices. In this role, it is important to use independent judgment in following established venipuncture procedures along with the ability to inspire confidence in, and communicate effectively with, unit secretaries, therapists, medical staff and visitors. This means demonstrating composite and organizational skills in handling crisis situations and effectively handling multiple tasks simultaneously in times of heavy workload.

Classes will be delivered in the evening and online. Successful completion of the program prepares students to sit for the American Society of Clinical Pathologists (ASCP) phlebotomy certification exam. Students do not automatically become certified through this program but may take the appropriate tests through ASCP after completing the program. The curriculum was written using the standards and guidelines for the ASCP phlebotomy certifications and can be reviewed at www.ascp.org.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

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Entry Requirements/Application Process

Program admission occurs once per year. Visit www.roguecc.edu/alliedhealth for program application details. All program prerequisite/preparatory courses must be completed with a grade of “C” or better by the start of the program to be considered eligible. All applications will be due stamped and reviewed in the order received. Applicants will be selected by committee on criteria developed in advance.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements

These requirements apply only to phlebotomy students admitted to the program during the 2016-17 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 graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of “C” or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

Course No.  Course Title  Credits
---  -----------------  -----
CS____  Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency 1  0-4
RD30  College Reading or designated placement test score  0-4
WR30  Fundamentals of Composition II or designated placement test score  0-4
HE252  First Aid/CPR 2  3

Total Prerequisite Credits  3-15

Required Core Courses

Course No.  Course Title  Credits
---  -----------------  -----
First Term
AH100  Medical Terminology: Introduction  3
AH104  Phlebotomy  3
AH105  Communication and Professional Behavior  2
AH170  Medical Assistant Practicum and Seminar  2
BI100SB  Biology of Human Body Systems 3  3

TOTAL PROGRAM CREDITS  13

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.
2 Course completed on or before starting the program satisfies the requirement.
3 Students who have completed either BI121 and BI122 or BI231, BI232, and BI233 (the entire sequence of either series) with an equivalent “C” or better grade do not need to take BI100SB.

For more information regarding the program and selection process, contact the Allied Health Department:

Grants Pass or Medford: 541-245-7852
Toll free in Oregon: 800-460-6766, Ext. 7852
email: alliedhealth@roguecc.edu
Web address: www.roguecc.edu/alliedhealth
TTY: 800-202-8447

Medical Coding Specialist Certificate of Completion

About the Program

The Medical Coding Specialist three-term certificate program prepares students for work in entry-level coding positions in outpatient healthcare settings. For the rapidly expanding field, students will focus on developing an understanding of the concepts of the billing cycle, the language of medicine, and the ability to apply both to professional coding standards. Instruction concentrates on the areas of anatomy and physiology, medical terminology, pharmacology, laboratory medicine, medical finance, and coding. Coders are required to extract medical documentation from patients’ charts and correlate the diagnosis and procedures performed into numerical code numbers. Students completing this program will be prepared to take the national Certified Coding Associate (CCA) exam, although certification is not an employment requirement at this time.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the program, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Medical Coding Specialist is a cohort-based program. Enrollment is limited. Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Cohort students must meet certain minimum academic requirements (MTH20, RD30, and WR30 or designated placement scores) before starting the program. Please visit www.roguecc.edu/alliedhealth/mcs for program application details.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements

These requirements apply only to students admitted to the program during the 2016-17 academic year. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of “C” or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.
Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated test score</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>Total Prerequisite Credits</td>
<td></td>
<td>0-12</td>
</tr>
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</table>

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Systems</td>
<td>3</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I or WR115 Introduction to Expository Writing or higher level composition</td>
<td>3-4</td>
</tr>
<tr>
<td>CS_____</td>
<td>Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency 1</td>
<td>0-4</td>
</tr>
<tr>
<td>HC1210</td>
<td>Introduction to the Health Care Industry</td>
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Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH105</td>
<td>Communication and Professional Behavior</td>
<td>2</td>
</tr>
<tr>
<td>AH110</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>AH130</td>
<td>Concepts in Medical Insurance and Billing</td>
<td>4</td>
</tr>
<tr>
<td>HC2110</td>
<td>Legal Aspects of Medical Records</td>
<td>3</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA109</td>
<td>Ready, Set, Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>AH140</td>
<td>Basic CPT Coding</td>
<td>4</td>
</tr>
<tr>
<td>AH141</td>
<td>Basic Coding in ICD-10-CM</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective(s)</td>
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TOTAL PROGRAM CREDITS 34-43

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>CG155</td>
<td>Exploring Careers in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>CS256s</td>
<td>Spreadsheet Applications</td>
<td>4</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN101.102.103</td>
<td>First Year Spanish I, II, III</td>
<td>4-4</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
</tbody>
</table>

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 Additional prerequisites may apply.

For more information regarding the program and selection process, contact the Allied Health Occupations Department:

Grants Pass or Medford...541-245-7954
Toll free in Oregon 800-460-6766, Ext. 7954
email...alliedhealth@roguecc.edu
Web address...www.roguecc.edu/AlliedHealth/mcs
TTY...Oregon Telecom Relay Service, 711

Microcontroller Systems Technician Certificate of Completion

About the Program
The Microcontroller Systems Technician four-term certificate is designed for students seeking entry-level positions servicing, upgrading, and repairing personal computer and microcontroller-based equipment. The coursework emphasizes electronics studies aimed at the hardware portion of the field as well as computer science courses involving operating systems, networking, and related software applications.

Technical courses involve lecture, lab work, and real-world experience in the lab using industry standard test equipment and practices. This program will help students gain skills for entry into one of today’s most dynamic occupations. Typical occupations include those of PC/microcontroller support technicians, network specialists, microcomputer technicians, and field service technicians.

Training also provides excellent positioning for lateral movement into areas such as technical sales or technical writing. Certificate courses are aligned for continuation into the Electronics Technology AAS degree and Computer Engineering Technology AS degree for transfer to Oregon Institute of Technology.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit http://www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with courses within their skill levels as determined by placement test scores. Students are also required to complete any prerequisites listed. In addition, students may also be required to enroll in classes that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology Department chair’s recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with Enrollment Services and the Electronics Technology Department.

Graduation Requirements
Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS_____</td>
<td>Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency 1</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>Total Prerequisite Credits</td>
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<td>0-16</td>
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Required Courses

First Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET112</td>
<td>Introduction to Mechanics</td>
<td>5</td>
</tr>
<tr>
<td>MTH60</td>
<td>Applied Technical Math/Applied Algebra I</td>
<td>4-5</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or higher level composition</td>
<td>3-4</td>
</tr>
<tr>
<td>WR227</td>
<td>Digital Fundamentals I</td>
<td>6</td>
</tr>
<tr>
<td>HE112</td>
<td>Emergency First Aid or approved health elective</td>
<td>1-3</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BT101 Human Relations in Organizations</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Approved program elective</td>
<td>0-2</td>
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</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MTH60R</td>
<td>Fundamentals of Algebra I Recitation</td>
<td>1</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or higher level math if not taken as a required course</td>
<td>4</td>
</tr>
<tr>
<td>MTH65R</td>
<td>Fundamentals of Algebra II Recitation</td>
<td>1</td>
</tr>
<tr>
<td>MTH93R</td>
<td>Intermediate Algebra Recitation</td>
<td>1</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
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</table>

Total Program Credits: 48-58

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT121</td>
<td>Digital Marketing and e-Commerce</td>
<td>4</td>
</tr>
<tr>
<td>CS</td>
<td>Any computer science course, CS125 or above</td>
<td>1-4</td>
</tr>
<tr>
<td>EET106</td>
<td>Electronic Assembly</td>
<td>3</td>
</tr>
<tr>
<td>EET113</td>
<td>Exploration of Alternative Energies</td>
<td>3</td>
</tr>
<tr>
<td>EET118</td>
<td>Introduction to Renewable Energy Systems</td>
<td>5</td>
</tr>
<tr>
<td>EET132</td>
<td>Digital Fundamentals III</td>
<td>5</td>
</tr>
<tr>
<td>EET199</td>
<td>Selected Topics in Technology</td>
<td>1-5</td>
</tr>
<tr>
<td>EET240</td>
<td>Microcontrollers I</td>
<td>5</td>
</tr>
<tr>
<td>GS04</td>
<td>Physical Science with lab</td>
<td>4</td>
</tr>
<tr>
<td>MET101</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MET121</td>
<td>CAD I: Mechanical (SolidWorks)</td>
<td>3</td>
</tr>
<tr>
<td>MET122</td>
<td>CAD II: Mechanical (SolidWorks)</td>
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</tr>
<tr>
<td>MET160</td>
<td>Materials and Metallurgy</td>
<td>3</td>
</tr>
<tr>
<td>MFG101</td>
<td>Introduction to Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>MFG121</td>
<td>Manufacturing Processes I</td>
<td>4</td>
</tr>
<tr>
<td>MFG230</td>
<td>Statistics and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>MTH60R</td>
<td>Fundamentals of Algebra I Recitation</td>
<td>1</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or higher level math (if not taken as a required course)</td>
<td>4</td>
</tr>
<tr>
<td>MTH93R</td>
<td>Intermediate Algebra Recitation</td>
<td>1</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
</tbody>
</table>

For more information contact the Electronics Technology Department:

Grants Pass or Medford ........................................ 541-245-7809
Toll free in Oregon ........................................... 800-411-6508, Ext. 7809
email .............................................................. electronics@roguecc.edu

Web address .................................................... www.roguecc.edu/electronics
TTY ............................................................... Oregon Telecom Relay Service, 711

Music Interest

Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a music major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MUS111</td>
<td>Music Theory and Aural Skills I</td>
<td>4</td>
</tr>
<tr>
<td>MUS112</td>
<td>Music Theory and Aural Skills II</td>
<td>4</td>
</tr>
<tr>
<td>MUS113</td>
<td>Music Theory and Aural Skills III</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS211</td>
<td>Music Theory and Aural Skills IV</td>
<td>4</td>
</tr>
<tr>
<td>MUS212</td>
<td>Music Theory and Aural Skills V</td>
<td>4</td>
</tr>
<tr>
<td>MUS213</td>
<td>Music Theory and Aural Skills VI</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose one of the following:

- MUP102 Concert Band 1
- MUP105 Jazz Ensemble 1
- MUP106 Percussion Ensemble 1
- MUP142 Chamber Orchestra 1
- MUS220 Chorus 1

For more information contact the Electronics Technology Department:

Grants Pass or Medford ........................................ 541-245-7809
Toll free in Oregon ........................................... 800-411-6508, Ext. 7809
email .............................................................. electronics@roguecc.edu

Web address .................................................... www.roguecc.edu/electronics
TTY ............................................................... Oregon Telecom Relay Service, 711

Nursing

Associate of Applied Science Degree

Fall Term 2017 Program Admission

About the Program

RCC RCC is a member of the Oregon Consortium for Nursing Education (OCNE) and offers a competency-based curriculum jointly developed by nursing faculties from the ten community college and Oregon Health and Science University (OHSU) consortium partners. The core competencies address the need for nurses to be skilled in clinical judgment and critical thinking; evidence-based practice; ... 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 RCC and OHSU nursing programs. The program is designed as four years of full-time study, with the first year devoted to prerequisite/preparatory courses (45-credit minimum) 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) Nursing degree offered by Rogue Community College. The OCNE cur-
The curriculum continues for four additional terms leading to a Bachelor of Science degree, with a major in Nursing (BSN) offered by OHSU.

The first five terms after admission to the RCC Nursing program are identical for the associate and bachelor’s degree courses. Term six offers students the ability to complete the AAS degree at RCC and provides the educational eligibility for NCLEX-RN licensure testing. Students who complete the AAS degree at RCC and pass the NCLEX-RN exam also have the option to complete the upper division nursing courses for the bachelor’s degree from OHSU (the OHSU bachelor’s requirement of statistics may be completed at RCC but 15 credits of upper division non-nursing courses must be completed through other colleges or universities). Options available for baccalaureate completion can be found at www.ohsu.edu/xd/education/schools/school-of-nursing/programs/undergraduate/cc-transition/index.cfm.

The Nursing program is approved by the Oregon State Board of Nursing (17938 SW Upper Boones Ferry Rd., Portland, OR, 971-673-0685, www.oregon.gov/OSBN).

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

As part of their training, 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. Students who have failed any two nursing courses (RN level, any program) are disqualified from applying for entry or re-entry to the RCC Nursing Program.

Program admission occurs once per year. Deadline for submitting program application material is February 15, 2017, or the first business day thereafter, for fall term 2017 admission (see program website and/or application packet for more information). Transcripts showing satisfactory completion of the math and Anatomy and Physiology I prerequisites and at least 22 other credits of the prerequisite/preparatory courses (minimum of 30 credits) must be in the Enrollment Services office by the application deadline to be considered eligible. All prerequisite/preparatory courses must have been taken with a letter grade and completed with a "C" or better. 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 3.0 for all completed prerequisite/preparatory courses. Contact the Nursing Department or see the Nursing website for information regarding the application and selection process.

If an applicant has taken an equivalent course elsewhere which has a course number, title, or credit hour different from the RCC course, the applicant must contact RCC’s Enrollment Services office for a transfer credit evaluation 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 45 credits) and be accepted into the Nursing program.

Accepted students must pass a criminal history background check and urine drug screen prior to nursing clinical experiences or their acceptance will be rescinded. Information regarding the background check and drug screen requirements can be found on the program’s website with additional information and deadlines provided to students following acceptance and before fall nursing classes begin. Accepted students will also be required to complete by a specified deadline a CPR Health Care Provider course (adult/child/infant, one- and two-person, with AED), course must have been successfully completed within two years prior to admission to nursing courses. Information regarding required immunizations will be provided in the acceptance letter.

Internet and email access is an integral part of all nursing courses and access to a computer (at home or at the college) will be required on a daily basis. Nursing students attend classes at the Redwood Campus in Grants Pass and clinical practice in both Josephine and Jackson counties and will need reliable transportation. 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 2017-18 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 graduation guide or catalog for that year. If required courses (i.e., clinicals) are graded only on a pass/no pass basis, a grade of “P” for these courses indicate a student earned the equivalent of a “C” or better grade.

Students must complete all courses on this graduation 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. Contact the OSBN with any questions.

Prerequisites/Required Preparatory Courses

Course No. Course Title Credits
BI211 General Biology I w/lab (or department chair acceptance of transfer biology with genetics) 4
BI231 Anatomy and Physiology I w/lab (within last seven years) 4
BI232 Anatomy and Physiology II w/lab (within last seven years) 4
BI233 Anatomy and Physiology III w/lab (within last seven years) 4
BI234 Microbiology w/lab 4
CS____ Approved 3-4 credit computer science class, CSI20 with lab or above within 10 years or documented computer proficiency 0-4
MTH95 Intermediate Algebra or higher level math 4
NFM225 Nutrition 4
PSY201 General Psychology I 4
PSY235 Life Span Human Development 4
WR121 English Composition I 4
WR122 English Composition II 4
_______ Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science elective 5

Prerequisite/Preparatory Credits to be Eligible to Apply 30

All Prerequisite/Preparatory Credits Must be Completed Before Admission to Nursing Courses (Minimum of) 45

First Year Nursing Course Requirements

Course No. Course Title Credits
Fall Term
NRS110 Foundations of Nursing – Health Promotion 9
_______ Any lower division transfer elective 3
_______ Any college-level (100 or 200 numbered) transferable social science elective 2
15
Winter Term
NRS112 Foundations of Nursing in Acute Care I 6
NRS350 Clinical Pharmacology I 3
NRS232 Pathophysiological Processes I 3
_______ Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science elective 4
16
Spring Term
NRS111 Foundations of Nursing in Chronic Illness 6
NRS331 Clinical Pharmacology II 3
NRS333 Pathophysiological Processes II 3
WR____ Research Writing 4
0-4
12-16
Spring Term (LPN Transition Only)
NRS115 LPN Transition to OCNE (only for accepted advance placed LPNs) 9 (6)
Second Year Nursing Course Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRS221</td>
<td>Nursing in Chronic Illness II and-End-of-Life</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Any college-level (100 or 200 numbered) transferable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>non-studio humanities, social science or science electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Winter Term</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>NRS222</td>
<td>Nursing in Acute Care II and-End-of-Life</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Any college-level (100 or 200 numbered) transferable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>non-studio humanities, social science or science electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Spring Term</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>NRS224</td>
<td>Integrative Practicum</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Any college-level (100 or 200 numbered) transferable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>non-studio humanities, social science or science electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TOTAL PROGRAM CREDITS BEYOND 30 PREREQUISITE CREDITS</td>
<td></td>
<td>100-104</td>
</tr>
</tbody>
</table>

1 MTH95 or higher level math (4 credits) and BI231 must be part of the 30 credits completed by application deadline for application to be eligible. Remaining 22 prerequisite credits may be from any of the prerequisite/required preparatory courses.

2 Virtual labs are not accepted for lab science courses. No time limit extension will be granted for anatomy and physiology courses.

3 If computer proficiency is documented (0 credits), students must be sure to complete at least 3 credits from prerequisite/preparatory course list by application deadline and all prerequisites (minimum 45 credits) by end of summer term in the year of application to enroll in Nursing courses, if accepted.

4 PSY201 or PSY202 and WR121 and WR122, completed before summer term 2009 at 3 credits each, are also acceptable. Once Life Span Human Development is completed, any previously completed transferable 3-4 credit social science course can replace PSY201.

5 To be admitted into nursing courses, students must complete all required prerequisite/preparatory courses (minimum 45 credits) and be accepted into the Nursing program.

6 General education courses in this year must be completed during summer term, but must be completed no progress to second year nursing courses.

7 Students who plan to continue through to OHSU must be aware that to earn the bachelor's degree from OHSU, they must have two years of the same high school-level language, or two terms of college-level language, or pass a language proficiency examination. College-level transferable foreign language (including American Sign Language) credits count toward degree requirements. A minimum of 9 credits of humanities is required for the OHSU degree. Students planning to transition to OHSU must have 132 credits of prerequisite and program required courses by the completion of the AAS degree in order to meet the 180 credit requirement by the completion of the bachelor's degree with a major in Nursing from OHSU. Students planning to earn a bachelor's degree are encouraged to complete MTH243 Probability and Statistics soon after the prerequisite math course.

8 Students who have not completed a writing series inclusive of research writing or not completed a bachelor's degree from a regionally accredited college or university in an English speaking country, must complete a research writing course (e.g., WR122 at 4 credits and inclusive of research writing or WR227) to be allowed to progress to the second year of the program.

9 NRS115 LPN Transition to OCNE, 6 credits, will be offered in spring term through RCC and will be limited to space available and to those LPNs who meet application/selection criteria. The application deadline will be October 15, 2017. See the Nursing program director for more information.

For more information regarding the program, selection process, and points contact the Nursing program:

Grants Pass or Medford ............................................. 541-956-7308
Toll free in Oregon ............................................. 800-411-6508, Ext. 7308
Email ............................................................. nursing@roguecc.edu
Web address ....................................................... www.roguecc.edu/Nursing
TTY .............................................................. Oregon Telecom Relay Service, 711

About the Program

The Occupational Skills Training (OST) one-year certificate program provides a combination of academic study and hands-on training in any one of a variety of specific occupations. Students earn approximately half their program credits through training at local business sites.

Almost any occupation can be addressed provided the following conditions are met: 1) There are jobs currently available in the selected field; 2) there is an appropriate training site available in the community; 3) the occupational goal is appropriate to the program length of one year; and 4) there is no overlap with existing RCC programs (trainings may overlap for students in special circumstances as approved by program personnel). RCC program staff will assist students in assessing possible occupations.

Customized learning goals for hands-on training are developed for each student by program faculty. These goals are chosen with care to ensure students’ preparation for entry-level employment in the specific occupation of choice. Student progress is evaluated by RCC faculty with input from training site supervisors. Required academic coursework includes general education courses to increase knowledge of basic skills common to all work environments. Students are also required to take elective coursework related to their chosen occupational goals. Credits earned in this program may be applied to the Associate of General Studies degree. The OST program by itself is not financial aid eligible.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students must submit a completed Occupational Skills Training (OST) application to program staff to be considered for acceptance into the program. As part of their training program, students are required to take a placement test to determine skill level and readiness in math, reading and writing. Students must begin with courses within their skill levels as determined by the placement test scores. In addition, students may also enroll in classes that would increase their employability and success. Criminal background checks and/or professional liability insurance are required for some occupations.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies. Individual courses may be challenged based on the student’s life experience or knowledge. Arrangements may be made on an individual basis with the instructor teaching the course to determine specific challenge procedures.

Graduation Requirements

A certificate in Occupational Skills Training will be awarded to students who complete all courses in this program with a grade of “C” or better. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>TOTAL PREREQUISITE CREDITS</td>
<td></td>
<td>0-12</td>
</tr>
</tbody>
</table>

General Education Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or higher level course or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH63</td>
<td>Applied Technical Math or MTH60 Fundamentals of Algebra I or</td>
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</table>
Rogue Community College has developed a partnership with Linn-Benton Community College in Grants Pass or Medford. The program can be completed while a student is living in the Rogue Valley by taking a combination of RCC courses and LBCC classes with laboratory, and fieldwork components. DE students will travel to the LBCC campus between two and four times per term.

Students must complete all required courses with a grade of “C” or better to complete the Oregon Transfer Module. Certain required courses may be graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. It is important to note that this module is neither a certificate nor a degree. Upon successful completion of coursework, students will have the Oregon Transfer Module noted on their RCC academic transcripts. In order for the Oregon Transfer Module designation to be posted, students must complete an application for graduation prior to completing the module. Applications are available at Rogue Central.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill levels as determined by the placement test. Students may also be required to enroll in courses that would increase their employability and success.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies.

Completion Requirements
Students must complete all required courses with a grade of “C” or better to complete the Oregon Transfer Module. Certain required courses may be graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade. It is important to note that this module is neither a certificate nor a degree. Upon successful completion of coursework, students will have the Oregon Transfer Module noted on their RCC academic transcripts. In order for the Oregon Transfer Module designation to be posted, students must complete an application for graduation prior to completing the module. Applications are available at Rogue Central.

Foundational Skills Requirements

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<th>Course No.</th>
<th>Course Title</th>
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<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
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<td>WR122</td>
<td>English Composition II or WR227 Technical Writing</td>
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<td>Course No.</td>
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<tr>
<td>SP110</td>
<td>Basic Communication</td>
<td>3</td>
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<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>SP115</td>
<td>Intercultural Communication</td>
<td>4</td>
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<tr>
<td>SP218</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>MTH105</td>
<td>Introduction to Contemporary Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MTH112</td>
<td>Elementary Functions</td>
<td>4</td>
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<tr>
<td>MTH211,212,213</td>
<td>Fundamentals of Elementary Math I, II, III</td>
<td>5-5-5</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
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<td>MTH244</td>
<td>Inferential Statistics</td>
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<tr>
<td>MTH251,252,253</td>
<td>Calculus I, II, III</td>
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<tr>
<td>MTH254</td>
<td>Vector Calculus</td>
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<tr>
<td>MTH256</td>
<td>Differential Equations</td>
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<tr>
<td>MTH261</td>
<td>Linear Algebra</td>
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<td>TOTAL FOUNDATIONAL SKILLS CREDITS</td>
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**Introduction to Discipline Requirements**

### Humanities (three courses required)

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<td>ART211</td>
<td>Survey of Visual Arts I</td>
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<tr>
<td>COMM225</td>
<td>Small Group Communication</td>
<td>4</td>
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<tr>
<td>COMM237</td>
<td>Communication and Gender</td>
<td>4</td>
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<tr>
<td>COMM270</td>
<td>Argumentation and Debate</td>
<td>3</td>
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<tr>
<td>ENG104,105,106</td>
<td>Introduction to Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ENG204,205,206</td>
<td>Introduction to English Literature I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>ENG253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ENG257</td>
<td>African American Literature</td>
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<tr>
<td>ENG260</td>
<td>Introduction to Women Writers</td>
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<tr>
<td>ENG275</td>
<td>The Bible as Literature</td>
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<tr>
<td>FR211,212,213</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>HUM216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
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<tr>
<td>HIS110</td>
<td>Introduction to International Studies I</td>
<td>4</td>
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<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
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<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
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<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
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<tr>
<td>MUS205</td>
<td>History of Jazz</td>
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<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
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<tr>
<td>MUS208</td>
<td>Film Music</td>
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<td>MUS251,252,253</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>MUS261,262,263</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
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<tr>
<td>PHL101,102,103</td>
<td>Philosophical Problems, Ethics, Critical Reasoning</td>
<td>4-4-4</td>
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<tr>
<td>REL211</td>
<td>World Religions</td>
<td>4</td>
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<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
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<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
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<tr>
<td>SP115</td>
<td>Intercultural Communication</td>
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<td>SP218</td>
<td>Interpersonal Communication</td>
<td>4</td>
</tr>
<tr>
<td>SPAN211,212,213</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
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</table>

**Science/Math/Computer Science (three courses required)**

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<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab (non-majors)</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
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<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
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<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
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<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM211,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
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<tr>
<td>CHEM311</td>
<td>Introduction to Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM312</td>
<td>Introduction to Organic Chemistry</td>
<td>3</td>
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<tr>
<td>CHEM313</td>
<td>Introduction to Physical Chemistry</td>
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<tr>
<td>CHEM314</td>
<td>Introduction to Inorganic Chemistry</td>
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<tr>
<td>CHEM315</td>
<td>Introduction to Analytical Chemistry</td>
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<td>CHEM316</td>
<td>Introduction to Environmental Chemistry</td>
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<tr>
<td>CHEM317</td>
<td>Introduction to Quantum Chemistry</td>
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<td>CHEM318</td>
<td>Introduction to Physical Chemistry</td>
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<td>CHEM319</td>
<td>Introduction to Chemical Dynamics</td>
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<td>CHEM320</td>
<td>Introduction to Chemical Kinetics</td>
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<td>CHEM321</td>
<td>Introduction to Chemical Thermodynamics</td>
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<td>CHEM322</td>
<td>Introduction to Chemical Spectroscopy</td>
<td>3</td>
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<tr>
<td>CHEM323</td>
<td>Introduction to Chemical Reaction Engineering</td>
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<tr>
<td>CHEM324</td>
<td>Introduction to Chemical Engineering</td>
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<tr>
<td>CHEM325</td>
<td>Introduction to Chemical Process Design</td>
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<tr>
<td>CHEM326</td>
<td>Introduction to Chemical Product Development</td>
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<td>CHEM327</td>
<td>Introduction to Chemical Safety</td>
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<td>CHEM328</td>
<td>Introduction to Chemical Synthesis</td>
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<tr>
<td>CHEM329</td>
<td>Introduction to Chemical Technology</td>
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<td>CHEM330</td>
<td>Introduction to Chemical Education</td>
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<td>CHEM331</td>
<td>Introduction to Chemical Policy</td>
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<td>CHEM332</td>
<td>Introduction to Chemical Law</td>
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<tr>
<td>CHEM333</td>
<td>Introduction to Chemical Management</td>
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<tr>
<td>CHEM334</td>
<td>Introduction to Chemical Economics</td>
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<tr>
<td>CHEM335</td>
<td>Introduction to Chemical History</td>
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<td>Introduction to Chemical Ethics</td>
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<td>Introduction to Chemical Modeling</td>
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<td>Introduction to Chemical Computation</td>
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<td>Introduction to Chemical Computing</td>
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</table>
Outdoor Adventure Leadership Transfer to Southern Oregon University

Associate of Science Degree

About the Program
The Associate of Science (AS) degree is based on a signed articulation agreement with Southern Oregon University (SOU). The program is designed for students transferring to SOU’s bachelor’s degree program in outdoor adventure leadership. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 38-47 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to SOU. Students should be aware, however, that if they transfer before completing this degree, their courses will be evaluated individually toward the transfer requirements of the college of their choice. Students should note that Associate of Science is the only designation that is recorded on their transcript.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

Advanced Standing
Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Graduation Requirements
The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of “C” or better. Certain required courses are also graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites
Course No.  Course Title  Credits
CS__  Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency  1  0-4
RD30  College Reading or designated placement test score  0-4
MTH95  Intermediate Algebra or MTH96 Applied Algebra II or designated placement test score  0-4
WR115  Introduction to Expository Writing or designated placement test score  0-3

Total Prerequisite Credits  0-15

General Education Requirements

Core Requirements
Course No.  Course Title  Credits
GEOG100  Introduction to Physical Geography  3
HE253  Wilderness First Aid/CPR  3
HPE295  Health and Fitness for Life  3
NFM225  Nutrition  4
OAL150  Outdoor Living Skills  2
OAL223  Wilderness Navigation  2
OAL250  Foundations in Outdoor Adventure Leadership  3
———  Approved program electives  5  12-21

Land
(choose a minimum of three classes from the following list):
PE185BA  Backpacking  1
PE185CC  Skiing/Snowboarding  1
PE185HA  Hiking Oregon  1
PE185R  Rock Climbing  1
PE185RC  Rock Climbing Adventure  1
PE185W  Winter Survival and Snow Camping  1

Water
(choose a minimum of three classes from the following list):
PE185K  Sea Kayaking the Oregon Coast  1
PE185RR  River Raising Adventure  1
PE185WK  Whitewater Kayaking  1
PE185SC  Open Water SCUBA Diving  1

Total Core Credits  38-47

TOTAL PROGRAM CREDITS  90
# 2 Approved Humanities Electives

(Complete at least three courses from the following list, 9-12 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ART131</td>
<td>Introduction to Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART204,205,206</td>
<td>History of Art I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ART211</td>
<td>Survey of Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL104,105,106</td>
<td>Introduction to Literature</td>
<td>4-4-4</td>
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<tr>
<td>ENGL107,108,109</td>
<td>World Literature I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ENGL201,202,203</td>
<td>Shakespeare I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ENGL204,205,206</td>
<td>Survey of English Literature I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ENGL253,254,255</td>
<td>Survey of American Literature I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>ENGL257</td>
<td>African American Literature</td>
<td>4</td>
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<tr>
<td>ENGL260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>ENGL275</td>
<td>The Bible as Literature</td>
<td>4</td>
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<tr>
<td>FR201,202,203</td>
<td>Second Year French I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>HUM101,102,103</td>
<td>Introduction to Humanities I, II, III</td>
<td>4-4-4</td>
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<tr>
<td>HUM215,216,217,218,219</td>
<td>Native American Arts and Cultures</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>MUS105</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS108</td>
<td>Music in World Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MUS201</td>
<td>Introduction to Western Music</td>
<td>4</td>
</tr>
<tr>
<td>MUS205</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUS206</td>
<td>Introduction to Rock Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS208</td>
<td>Film Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS261,262,263</td>
<td>History of Western Music I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>MUS264,265,266</td>
<td>History of Rock I, II, III</td>
<td>3-3-3</td>
</tr>
<tr>
<td>PHL101,102,103</td>
<td>Philosophical Problems/Ethics/Critical Reasoning</td>
<td>4-4-4</td>
</tr>
<tr>
<td>REL201</td>
<td>World Religion</td>
<td>4</td>
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<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
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<tr>
<td>SPAN201,202,203</td>
<td>Second Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>TAI141</td>
<td>Fundamentals of Acting</td>
<td>4</td>
</tr>
<tr>
<td>WR241,242,243</td>
<td>Imaginative Writing I, II, III</td>
<td>4-4-4</td>
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</tbody>
</table>

# 3 Approved Social Science Electives

(Complete at least two courses from the following list, 6-8 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110,150</td>
<td>Introduction to Cultural Anthropology/Archaeology</td>
<td>4-4</td>
</tr>
<tr>
<td>BA101</td>
<td>Introduction to Business</td>
<td>4</td>
</tr>
<tr>
<td>BA218</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>CJ101,50C244</td>
<td>Introduction to Criminology</td>
<td>4</td>
</tr>
<tr>
<td>CJ120</td>
<td>Introduction to the Judicial Process</td>
<td>4</td>
</tr>
<tr>
<td>CJ263,50C243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>COMM237</td>
<td>Communication and Gender</td>
<td>4</td>
</tr>
<tr>
<td>ECON115</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON201,202</td>
<td>Principles of Microeconomics/Macroeconomics</td>
<td>4-4</td>
</tr>
<tr>
<td>GEOG110</td>
<td>Introduction to Cultural and Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG210</td>
<td>World Regional Geography</td>
<td>3</td>
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<tr>
<td>HST104,105</td>
<td>History of World Civilization I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>HST201,202</td>
<td>History of the United States I, II</td>
<td>4-4</td>
</tr>
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<td>JSCI10,111</td>
<td>Introduction to International Studies</td>
<td>4-3</td>
</tr>
<tr>
<td>PS201,202</td>
<td>U.S. Government I, II</td>
<td>3-3</td>
</tr>
<tr>
<td>PST101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>PST119</td>
<td>Psychology of Personal Growth</td>
<td>4</td>
</tr>
<tr>
<td>PST201,202</td>
<td>General Psychology I, II</td>
<td>4-4</td>
</tr>
<tr>
<td>PST215</td>
<td>Life Span Human Development</td>
<td>4</td>
</tr>
<tr>
<td>PST219</td>
<td>Introduction to Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PST231</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC204,205</td>
<td>Introduction to Sociology, American Society</td>
<td>4-4</td>
</tr>
<tr>
<td>SOC211</td>
<td>Social Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC218</td>
<td>Sociology of Gender</td>
<td>4</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
</tr>
<tr>
<td>SOC228</td>
<td>Environment and Society</td>
<td>4</td>
</tr>
<tr>
<td>SOC230</td>
<td>Introduction to Gerontology</td>
<td>4</td>
</tr>
<tr>
<td>SOC235</td>
<td>The Chicano/Latino Historical Experience</td>
<td>4</td>
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</table>

# 4 Approved Science Electives

(Complete at least three courses, two of which must have labs, from the following list, 11-35 credits.)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100GB</td>
<td>Introductory Biology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Body Systems (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>BI101,102,103</td>
<td>Introduction to Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI121,122</td>
<td>Elementary Anatomy and Physiology I, II with lab</td>
<td>4-4</td>
</tr>
<tr>
<td>BI211,212,213</td>
<td>General Biology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI231,232,233</td>
<td>Anatomy and Physiology I, II, III with lab</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104,105,106</td>
<td>Introductory Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CHEM221,222,223</td>
<td>General Chemistry I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>CS195 + CS151js</td>
<td>Web Authoring I (HTML/CSS) + JavaScript I (non-lab courses)</td>
<td>4-4</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS100</td>
<td>Fundamentals of Geology (non-lab course)</td>
<td>3</td>
</tr>
<tr>
<td>GS101,102,103</td>
<td>Introduction to Geology I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography (non-lab course)</td>
<td>3</td>
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<tr>
<td>GS105,106,107,108</td>
<td>Physical Science with lab and recitation</td>
<td>4-4-4-4</td>
</tr>
<tr>
<td>GS161</td>
<td>Regional Field Studies with lab</td>
<td>4</td>
</tr>
<tr>
<td>GS170</td>
<td>Regional Field Geology with lab</td>
<td>4</td>
</tr>
<tr>
<td>PH201,202,203</td>
<td>General Physics I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
<tr>
<td>PH211,212,213</td>
<td>General Physics (Calculus Based) I, II, III with lab and recitation</td>
<td>5-5-5</td>
</tr>
</tbody>
</table>

# 5 Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE131</td>
<td>Introduction to Exercise and Sport Science</td>
<td>3</td>
</tr>
<tr>
<td>HE199</td>
<td>Special Studies in Health</td>
<td>1-3</td>
</tr>
<tr>
<td>HE208</td>
<td>HIV and Other Epidemics</td>
<td>1</td>
</tr>
<tr>
<td>HE250</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>HE252</td>
<td>Fire Aide/ CPR</td>
<td>3</td>
</tr>
<tr>
<td>HE259</td>
<td>Care and Prevention of Athletic Injury</td>
<td>3</td>
</tr>
<tr>
<td>PE185</td>
<td>Any physical education course not required within core requirements</td>
<td>3</td>
</tr>
<tr>
<td>PE194</td>
<td>Principles of Exercise Training and Conditioning</td>
<td>2</td>
</tr>
<tr>
<td>PE199</td>
<td>Special Studies in Physical Education</td>
<td>1-3</td>
</tr>
<tr>
<td>PE264</td>
<td>Fundamentals of Personal Training</td>
<td>2</td>
</tr>
<tr>
<td>PE280</td>
<td>CWE/Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE290</td>
<td>Fitness Instructor</td>
<td>2</td>
</tr>
<tr>
<td>———</td>
<td>Any lower division transfer course not already required</td>
<td>variable</td>
</tr>
</tbody>
</table>

Note: 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 university: 1) Two years of the same high school-level foreign language, or 2) two terms of college-level foreign language with a grade of "C" or better (may be first-year foreign language, which can be used as elective credits on the Associate of Arts Oregon Transfer degree). If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have a proficiency in a foreign language regardless of when they graduated from high school or equivalency program.
The Emergency Medical Services (EMS) program is accredited by the Oregon Department of Education and the Oregon Health Authority – EMS, and the Paramedicine program is nationally accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP).

During the first year of study, successful completion of the EMT course leads to eligibility to sit for the state and National Registry EMT exams. Successful completion of this curriculum qualifies the graduate to sit for the state and national registry exams to become a paramedic.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

For more information contact the Health/Physical Education/Recreation Department:

Grants Pass .............................. 541-956-7140
Medford .................................... 541-245-7504
Toll free in Oregon ............................. 800-411-6508, Ext. 7140 or Ext. 7504
e-mail ........................................... rwchealthpe@roguecc.edu or rwchealthpe@roguecc.edu
Web address .................................www.roguecc.edu/HPER
TTY ................................................ Oregon Telecom Relay Service, 711

**Graduation Requirements**

Students completing the credits outlined in this program with a grade of "C" or better and successfully certifying at the EMT level, will earn an Associate of Applied Science degree in Paramedicine. Certain required courses may be graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

**Entry Requirements**

As part of their training program, students are required to take a placement test to determine skill levels in math, reading and writing. Students must begin with the courses within their skill levels as determined by placement test scores.

This program requires an application and satisfaction of certain course admission criteria prior to enrolling in paramedic courses. Information is available on the Emergency Services (ES) Department website (www.roguecc.edu/EmergencyServices/EMS) or at the ES Department office located at the RCC Table Rock Campus. Students are strongly encouraged to meet with an ES Department advisor prior to beginning any coursework.

Students must be at least 17 years old to apply to the EMT course. Students must be high school graduates or have a GED or equivalent for certification. In addition, students must meet the qualifications outlined by the Oregon Health Authority – EMS. Students are required to submit verification of certain immunizations and medical tests. Students are also required to pass a drug screen and a criminal background investigation prior to their mandatory clinical time.

**Advanced Standing**

Students will normally have completed the entire first year requirements for this program prior to enrolling in the paramedic course. Applicants to the paramedic course will be selected on the basis of experience as an EMT, overall academic GPA, success in BI231, BI232, and BI233, and the number of classes remaining to complete the degree program. An oral interview will be conducted during summer term for all eligible candidates. Students are required to have completed 52 or more credits of program requirements before they are eligible to begin the paramedic course. Additional requirements will be in accordance with current statewide policies and procedures. Courses from accredited colleges and universities will be accepted in accordance with college policies and the ES Department chair’s recommendation. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the ES Department chair before being accepted toward core requirements.

**Prerequisites**

Students are strongly encouraged to meet with an Emergency Services Department advisor prior to beginning any coursework.

**Course No.**  **Course Title**  **Credits**

<table>
<thead>
<tr>
<th>B211</th>
<th>General Biology I with lab</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH63</td>
<td>Applied Algebra I or applied Algebra II</td>
<td>4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or designated placement test</td>
<td>3</td>
</tr>
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</table>

**Total Prerequisite Credits**  4-19

**First Year Required Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BI231</td>
<td>Anatomy and Physiology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>ES105</td>
<td>Introduction to Emergency Services</td>
<td>4</td>
</tr>
<tr>
<td>ES131</td>
<td>EMT Part I</td>
<td>4</td>
</tr>
<tr>
<td>ES131L</td>
<td>EMT Part I Lab</td>
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</tr>
<tr>
<td>BI232</td>
<td>Anatomy and Physiology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>ES132</td>
<td>EMT Part II</td>
<td>4</td>
</tr>
<tr>
<td>ES132L</td>
<td>EMT Part II Lab</td>
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</tr>
<tr>
<td>EMS170</td>
<td>Emergency Communication and Documentation</td>
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</tr>
<tr>
<td>MTH96</td>
<td>Applied Algebra II or MTH95 Intermediate Algebra or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>BI233</td>
<td>Anatomy and Physiology III with lab</td>
<td>4</td>
</tr>
<tr>
<td>EM205</td>
<td>Crisis Management</td>
<td>3</td>
</tr>
<tr>
<td>ES268</td>
<td>Emergency Service Rescue</td>
<td>3</td>
</tr>
<tr>
<td>EMS171</td>
<td>Emergency Patient Transportation or FRP253 Apparatus Driver</td>
<td>2-3</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
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**Third Term**

<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EMS271</td>
<td>Paramedic Part I</td>
<td>8</td>
</tr>
<tr>
<td>EMS271L</td>
<td>Paramedic Lab Part I</td>
<td>2</td>
</tr>
<tr>
<td>EMS281</td>
<td>Paramedic Clinical Practice I</td>
<td>1</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or SP218 Interpersonal Communications</td>
<td>4</td>
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</tbody>
</table>

**Total First Year Credits**  47-48

**Second Year Required Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EMS272</td>
<td>Paramedic Part II</td>
<td>8</td>
</tr>
<tr>
<td>EMS272L</td>
<td>Paramedic Lab Part II</td>
<td>2</td>
</tr>
<tr>
<td>EMS282</td>
<td>Paramedic Clinical Practice II</td>
<td>2</td>
</tr>
<tr>
<td>HPE295</td>
<td>Health and Fitness for Life or FRP295 Health and Fitness for Emergency Services Workers</td>
<td>3</td>
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</table>

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Sixth Term

EMS273  Paramedic Part III  5
EMS273L Paramedic Lab Part III  2
EMS283  Paramedic Clinical Practice III  2
PST101  Psychology of Human Relations or BT101 Human Relations in Organizations  3
— Approve science elective (see this catalog for approved list of electives)  3
        15-16

Seventh Term

EMS284  Paramedic Clinical Practice IV  8
— Approve program elective  3
        11-14

Total Second Year Credits  56-60
TOTAL PROGRAM CREDITS  103-108

Approved Program Electives (minimum 3-6 credits required)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH110</td>
<td>Medical Terminology: Clinical</td>
<td>3</td>
</tr>
<tr>
<td>ASL101, 102, 103</td>
<td>First Year American Sign Language I, II, III</td>
<td>4-4-4</td>
</tr>
<tr>
<td>BT102</td>
<td>Introduction to Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CJ243/SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
</tr>
<tr>
<td>ED120</td>
<td>Leadership I</td>
<td>1</td>
</tr>
<tr>
<td>ED121</td>
<td>Leadership II</td>
<td>1</td>
</tr>
<tr>
<td>ED122</td>
<td>Leadership III</td>
<td>1</td>
</tr>
<tr>
<td>EMS160</td>
<td>Electrocardiogram (ECG) Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>EMS162</td>
<td>12-lead ECG Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>EMS165</td>
<td>Introduction to Pharmacology for Health Occupations</td>
<td>2</td>
</tr>
<tr>
<td>EMS181</td>
<td>Advanced EMT Part I</td>
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</tr>
<tr>
<td>EMS182</td>
<td>Advanced EMT Part II</td>
<td>5</td>
</tr>
<tr>
<td>EMS183</td>
<td>Advanced EMT Part III</td>
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</tr>
<tr>
<td>EMS280</td>
<td>Cooperative Work Experience/EMS</td>
<td>1-6</td>
</tr>
<tr>
<td>EMS299</td>
<td>Workshop: EMS Training</td>
<td>variable</td>
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<tr>
<td>FRP251</td>
<td>Firefighter Level I 4</td>
<td>3</td>
</tr>
<tr>
<td>FRP251L</td>
<td>Firefighter Level I Lab 4</td>
<td>5</td>
</tr>
<tr>
<td>FRP261</td>
<td>Hazardous Materials First Responder Operations</td>
<td>1</td>
</tr>
<tr>
<td>FRP285</td>
<td>Fire Instructor 1</td>
<td>3</td>
</tr>
<tr>
<td>HC100</td>
<td>Community Health Worker</td>
<td>6</td>
</tr>
<tr>
<td>HC120</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>LIB127</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH95R</td>
<td>Intermediate Algebra Recitation</td>
<td>1</td>
</tr>
<tr>
<td>MTH105</td>
<td>Introduction to Contemporary Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>——</td>
<td>Any foreign language</td>
<td>4</td>
</tr>
</tbody>
</table>

Emergency Medical Service and Inservice Training

EMS299

Up to 16 credits may be applied to the Paramedicine AAS degree for students who have completed EMS education or pre-hospital care experience. See the Emergency Services Department chair for information.

1 BI211 is a prerequisite to BI231; CHEM104 also highly recommended.
2 Required for graduation.

3 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.
4 FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

For more information contact the Emergency Services Department:
Grants Pass or Medford ........................................... 541-245-7965
Toll free in Oregon ........................................... 800-411-6508, Ext. 7965
email ............................................................... emergencyservicesadvisors@roguecc.edu
Web address ..................................................... www.roguecc.edu/emergencyservices
TTY ................................................................. Oregon Telecom Relay Service, 711

Pharmacy Technician Certificate of Completion

About the Program

The Pharmacy Technician three-term certificate program prepares students for work in entry-level positions in hospitals and retail pharmacy settings. Students will learn to prepare prescription orders under the supervision of a licensed pharmacist, perform applicable pharmacy calculations, and comply with federal and state regulatory agency laws and regulations. Upon completion of this program students will be able to perform all the duties required in any pharmacy practice setting. Students completing this program will be prepared to take the national Certified Pharmacy Technician (CPhT) exam, although certification is not an employment requirement at this time. The program includes nearly 400 hours of internship in a local pharmacy setting so students experience hands-on, practical application of their knowledge.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Pharmacy Technician is a cohort-based program and enrollment is limited. Students are required to take a placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill levels as determined by placement test scores. Cohort students must meet certain minimum academic requirements (AH100, BT113 or WR115 or designated placement test score, CS120 or documented proficiency, MTH60 or MTH65 or designated placement test score, and RD30 or designated placement test score) before starting the program. Visit www.roguecc.edu/AlliedHealth/prx for program details.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements

These requirements apply only to students admitted to the program during the 2016-17 academic year. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of “C” or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of “P” for these courses indicate a student earned the equivalent of a “C” or better grade.
### Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>BT113</td>
<td>Business English I or WR115 Introductory to Expository Writing or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>CS_</td>
<td>Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH63 Applied Algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits** 3-19

### Required Courses

#### First Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI100SB</td>
<td>Biology of Human Systems</td>
<td>3</td>
</tr>
<tr>
<td>DA202</td>
<td>Infection Control</td>
<td>2</td>
</tr>
<tr>
<td>HCI120</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>HE252</td>
<td>First Aid/CPR</td>
<td>4</td>
</tr>
<tr>
<td>PRX101</td>
<td>Pharmacy Technician I</td>
<td>4</td>
</tr>
<tr>
<td>-----</td>
<td>Approved program elective(s)</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**Credits** 15-18

#### Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH105</td>
<td>Communication and Professional Behavior</td>
<td>2</td>
</tr>
<tr>
<td>AH165</td>
<td>Introduction to Pharmacology for Pharmacy Technicians</td>
<td>2</td>
</tr>
<tr>
<td>BA109</td>
<td>Ready Set: Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>MTH64</td>
<td>Pharmacy Calculations</td>
<td>2</td>
</tr>
<tr>
<td>PRX102</td>
<td>Pharmacy Technician II</td>
<td>4</td>
</tr>
<tr>
<td>PRX123</td>
<td>Law and Ethical Issues for Pharmacy Technicians</td>
<td>2</td>
</tr>
</tbody>
</table>

**Credits** 14

#### Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRX170</td>
<td>Pharmacy Technician Practicum and Seminar</td>
<td>12</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS** 41

### Approved Program Electives

(0-3 credits allowed)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>CG355</td>
<td>Exploring Careers in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN101,102,103</td>
<td>First Year Spanish I, II, III</td>
<td>4-4</td>
</tr>
<tr>
<td>WR185</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
</tbody>
</table>

1 Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

2 Course completed on or after summer 2016 satisfies the requirement.

3 Additional prerequisites may apply.

For more information regarding the program and selection process, contact the Allied Health Occupations Department:

Grants Pass or Medford: 541-245-7857
Toll free in Oregon: 800-460-6766, Ext. 7857
email: alliedhealth@roguecc.edu
Web address: www.roguecc.edu/alliedhealth/prx
TTY: Oregon Telecom Relay Service, 711

### Physical Therapy Assistant Associate of Applied Science Degree

RCC has created a partnership with Lane Community College (LCC) in Eugene to provide training for physical therapy assistants in Jackson and Josephine counties. This partnership has been approved by the Commission on Accreditation in Physical Therapy Education (CAPTE). The Associate of Applied Science degree is awarded by Lane Community College, but RCC offers program prerequisites, general education, and related coursework. The program prepares students to function as entry-level physical therapy assistants in a variety of practice settings, and to pass the National Physical Therapy Examination (NPTE) administered by the Federation of State Boards of Physical Therapy.

Students use a distance education (DE) model of accessing the PTA program-specific courses through LCC using LaneOnline. The entire program can be completed while a student is living in the Rogue Valley with a combination of RCC classes and the LCC distance education events. The curriculum includes classroom, laboratory, and clinical components. Clinical placements occurring in the second year of the program are determined by the program coordinator and will depend on availability of sites. Students may have to travel out of their immediate geographic area to a location in the Pacific Northwest. For information regarding the Physical Therapy Assistant program call 541-245-7846 or visit www.roguecc.edu/AlliedHealth/PTA.

### Physics Interest Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a physics major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM221</td>
<td>General Chemistry I with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM222</td>
<td>General Chemistry II with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>CHEM223</td>
<td>General Chemistry III with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II</td>
<td>5</td>
<td>Math</td>
</tr>
<tr>
<td>PH211</td>
<td>General Physics I (Calculus Based) with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>PH212</td>
<td>General Physics I (Calculus Based) with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>PH213</td>
<td>General Physics I (Calculus Based) with lab and recitation</td>
<td>5</td>
<td>Science</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Note: Four courses required in the science/math category. Additional courses would count as electives.

Oregon public universities offering degrees in this subject:

- Eastern Oregon University [www.eou.edu](http://www.eou.edu)
- Portland State University [www.pdx.edu](http://www.pdx.edu)
- Oregon State University [www.oregonstate.edu](http://www.oregonstate.edu)
- University of Oregon [www.uoregon.edu](http://www.uoregon.edu)
Oregon public universities offering degrees in population health management:

- SP111
- MTH243
- PSY201
- MTH111
- SOC225
- SOC204
- PSY202

To the application deadline. For courses graded only as pass/no pass, a pass that is equal to a "C" is required. If a student enrolls in technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

Program admission occurs once per year in winter term. The deadline for submitting program application material and completing the required program pre-admission test and other requirements is September 8, 2016, for January 2017 admission. The application deadline may be extended if there are an insufficient number of qualified applicants (see program website for notification).

To be eligible, prerequisite classes must have been completed with a grade of "C" or better prior to the application deadline. For courses graded only as pass/no pass, a pass that is equal to a "C" is required. If a course is repeated, only the most recent grade will be considered for the selection process. Applicants must have a minimum 2.0 cumulative GPA (for all courses completed at RCC, or at college where anatomy and physiology completed if applicant is new to RCC) and be in good standing (not on academic warning or probation) at RCC to be eligible. As part of their training program, students must begin with courses within their skill levels as determined by placement test scores.

If an applicant has taken an equivalent course elsewhere which has a course number, title, or credit hour different from the RCC course, she or he must contact Enrollment Services for a transfer credit evaluation or the Nursing Department chair to obtain a course substitution, as far in advance of the application deadline as possible.

Accepted students must attend mandatory program orientations the last two Friday mornings of fall term prior to the beginning of Practical Nursing courses in winter term. A notice of dates, times, and place of the orientations will be emailed to accepted students. Accepted students (notification occurs by mid-November) must have proof of a valid unencumbered OSBN CNA certification current through November 1, 2016 and have completed required prepartatory courses with a "C" or better by the end of fall term to retain acceptance and enter practical nursing courses in winter term.

Accepted students must pass a criminal history background check and urine drug screen (with negative results) to retain acceptance and enter the program in January. Information regarding both can be found on the program website and will be provided to students before winter practical nursing classes begin. Since applicants are or will be CNAs, failed criminal history checks or urine drug screens will be reported to the OSBN. Accepted students must successfully complete a CPR Health Care Provider course (adult/infant/child, and two and one person, with AED; online courses are not accepted) within one year prior to the September application deadline (to remain current throughout program). The CPR course must comply with the American Heart Association standards.

AH100 Medical Terminology and CNA work experience are recommended before application. Practical nursing faculty will evaluate the CNA skills of all students admitted to PN101. Students may be required to enroll in classes that would increase their employability and success, e.g., NAI101 remediation work is required. More information is available by clicking on “enter here” on the program website at learn.roguecc.edu/nursing/practicalnursing.

Applicants are encouraged to attend a program information session held every month at a Jackson County campus (either TRC or RVC) and RWC. See website for details. Internet and email access is an integral part of all practical nursing courses and access to a computer (at home or at the college) will be required on a daily basis.

Graduation Requirements

These requirements apply only to students admitted to the Practical Nursing Certificate program in January 2017. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide for that year. Successful completion means that students must complete all courses in this program with a grade of "C" or better to continue in and complete the program and receive a certificate. Accepted PN students will forfeit their acceptance unless a complete anatomy and physiology sequence and all other required preparatory courses have been successfully completed, and the criminal history background check and urine drug screen have been passed prior to the start of PN101 in January.

The OSBN screens all applicants for licensure and may deny licensure or place on probation applicants with convictions for certain crimes. Licensure applicants with a history of chemical dependence may be required to have an assessment by a drug and alcohol counselor. Contact the OSBN with any questions.

Clinical and skills lab classes are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI121</td>
<td>Elementary Anatomy and Physiology I w/lab (within last seven years or BI231 and BI232 if both completed with labs within last seven years)</td>
<td>4</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing (or designated placement test score or completion of WR121)</td>
<td>0-3</td>
</tr>
<tr>
<td>CNA-1</td>
<td>Basic Nursing Assistant (including skills lab and clinical or other OSBN-approved CNA-1 course with completion certificate; course proof waived for students with copy of current OSBN CNA-1 certification attached to application)</td>
<td>1</td>
</tr>
</tbody>
</table>
For more information regarding the program, selection process, and points contact the Practical Nursing program:
Grants Pass or Medford ........................................ 541-245-7504
Toll free in Oregon .............................................. 800-411-6508, Ext. 7504
Email ...................................................... practicalnursing@rogucc.edu
Web address ......................................... www.rogucc.edu/nursing/practicalnursing
TTY ................................................... Oregon Telecom Relay Service, 711

**Pre-dental Hygiene Interest (Oregon Tech)**
Associate of General Studies Degree

The courses listed below are only meant to serve as a guide of recommended choices within categories required in the AGS framework. See the AGS graduation guide for full degree requirements. The following list includes recommended courses for students who have an interest in pre-dental hygiene.

The program listed below is designed to meet the requirements for the pre-dental hygiene program at Oregon Tech. The plan of study is meant to serve as a guide of recommended courses to satisfy the requirements for application to the program. Students are strongly encouraged to work closely with their RCC academic advisors and visit the transfer school’s website for all current admission and academic major requirements. Other courses may be available to complete prior to transfer.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>BI231</td>
<td>Anatomy and Physiology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI232</td>
<td>Anatomy and Physiology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI233</td>
<td>Anatomy and Physiology III with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM105</td>
<td>Introductory Chemistry II with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM106</td>
<td>Introductory Chemistry III with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>NFM225</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
</tbody>
</table>

**Pre-medical Imaging Interest (Oregon Tech)**
Associate of General Studies Degree

A total of 90 credits are required to complete the Associate of General Studies (AGS) degree. The courses listed below are only meant to serve as a guide of recommended choices within categories required in the AGS framework. See the AGS graduation guide for full degree requirements. The following list includes recommended courses for students who have an interest in pre-medical imaging.

The courses listed below are designed to meet the requirements for the pre-medical imaging program at Oregon Tech. The plan of study is meant to serve as a guide of recommended courses to satisfy the requirements for application to the program. Students are strongly encouraged to work closely with their RCC academic advisors and visit the transfer school’s website for all current admission and academic major requirements. There may be other courses that can be completed prior to transfer.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>English Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
<tr>
<td>BI231</td>
<td>Anatomy and Physiology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI232</td>
<td>Anatomy and Physiology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI233</td>
<td>Anatomy and Physiology III with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM104</td>
<td>Introductory Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM105</td>
<td>Introductory Chemistry II with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM106</td>
<td>Introductory Chemistry III with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>NFM225</td>
<td>Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
</tbody>
</table>
### Pre-professional Medicine Interest
(Dentistry, Medicine, Optometry, Pharmacy, Veterinary)

**Associate of General Studies Degree**

A total of 90 credits are required to complete the Associate of General Studies (AGS) degree. The courses listed below are only meant to serve as a guide of recommended choices within categories required in the AGS framework. See the AGS graduation guide for full degree requirements. The following list includes recommended courses for students who have an interest in pre-professional medicine.

The coursework listed below is designed to prepare students for transfer into a pre-professional bachelor’s degree at an Oregon university. Since requirements for pre-professional programs vary at each university, students are encouraged to visit the transfer school’s website for all current admissions and academic requirements. Students are strongly advised to work with RCC science faculty in designing a program plan for transfer. There may be other courses that can be completed prior to transfer.

The courses outlined here are minimum requirements within a bachelor’s degree for admission into several pre-professional programs including the Oregon Health and Science University School of Dentistry and Medicine; Oregon Tech degrees in health studies and clinical laboratory sciences (joint degree with OHSU); and Oregon State University degrees in pharmacy and veterinary medicine.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR121</td>
<td>Fundamentals of Composition I</td>
<td>4</td>
</tr>
<tr>
<td>WR122</td>
<td>Fundamentals of Composition II</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>MTH251</td>
<td>Calculus I (Differential) with lab</td>
<td>5</td>
</tr>
<tr>
<td>MTH252</td>
<td>Calculus II (Integral) with lab</td>
<td>5</td>
</tr>
<tr>
<td>BI11</td>
<td>General Biology I with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI12</td>
<td>General Biology II with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI13</td>
<td>General Biology III with lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM221</td>
<td>General Chemistry I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM222</td>
<td>General Chemistry II with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>CHEM223</td>
<td>General Chemistry III with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>PH201</td>
<td>General Physics I with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>PH202</td>
<td>General Physics II with lab and recitation</td>
<td>5</td>
</tr>
<tr>
<td>PH203</td>
<td>General Physics III with lab and recitation</td>
<td>5</td>
</tr>
</tbody>
</table>

Oregon public universities offering degrees in pre-professional medicine include:
- Oregon Tech [www.oit.edu](http://www.oit.edu)
- Oregon State University [www.oregonstate.edu](http://www.oregonstate.edu)
- Portland State University [www.pdx.edu](http://www.pdx.edu)
- Southern Oregon University [www.sou.edu](http://www.sou.edu)
- Eastern Oregon University [www.eou.edu](http://www.eou.edu)

### Psychology Interest

**Associate of Arts Oregon Transfer Degree**

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a psychology major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI101</td>
<td>Introduction to Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI211</td>
<td>General Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI102</td>
<td>Introduction to Biology II with lab or lab and recitation</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI212</td>
<td>General Biology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>PSY215</td>
<td>Life Span Human Development</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Oregon public universities offering degrees in this subject:
- Eastern Oregon University [www.eou.edu](http://www.eou.edu)
- Southern Oregon University [www.sou.edu](http://www.sou.edu)
- Portland State University [www.pdx.edu](http://www.pdx.edu)
- Oregon State University [www.oregonstate.edu](http://www.oregonstate.edu)
- University of Oregon [www.uoregon.edu](http://www.uoregon.edu)
- Oregon Institute of Technology [www.oit.edu](http://www.oit.edu)

### Renewable Energy Technician Certificate of Completion

**About the Program**

The Renewable Energy Technician four-term certificate program is designed for students seeking entry-level positions in renewable energy manufacturing, installation, site evaluation, and service industries. Typical occupations include those of renewable energy technician, solar PV racking installer, energy system site evaluator, manufacturing technician, or limited energy auditor.

The program emphasizes green technologies, electronics fundamentals, practical troubleshooting and systems site evaluation and design. Technical courses involve extensive lab work using solar photo-voltaic panels, wind and hydro generators, chargers, batteries, inverters, and industry standard test equipment to design, build and test systems. Site evaluation training for system efficiencies and cost analysis is accomplished through hands-on use of specialized equipment and software. The certificate also helps prepare students for the entry-level North American Board of Certified Energy Practitioners (NABCEP) industry certification test.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit [www.roguecc.edu/GainfulEmployment](http://www.roguecc.edu/GainfulEmployment).
The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology department chair’s recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services Office and the Electronics Technology Department.

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125</td>
<td>Any computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH20</td>
<td>Pre-algebra or designated placement test score as shown on current indicator chart</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score as shown on current indicator chart</td>
<td>0-4</td>
</tr>
<tr>
<td>WR30</td>
<td>Fundamentals of Composition II or designated placement test score as shown on current indicator chart</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 0-16

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET113</td>
<td>Exploration of Alternative Energies</td>
<td>3</td>
</tr>
<tr>
<td>EET125</td>
<td>Electronics Fundamentals I</td>
<td>6</td>
</tr>
<tr>
<td>MTH60AP</td>
<td>Applied Technical Math/Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET112</td>
<td>Introduction to Mechatronics</td>
<td>5</td>
</tr>
<tr>
<td>EET118</td>
<td>Introduction to Renewable Energy Systems (RES)</td>
<td>5</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or WR121 English Composition I</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET120</td>
<td>Renewable Energy Systems (RES) Site Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>EET126</td>
<td>Electronics Fundamentals II</td>
<td>7</td>
</tr>
<tr>
<td>PSY101</td>
<td>Psychology of Human Relations or BT101 Human Relations in Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

Fourth Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET121</td>
<td>North American Board of Certified Energy Practitioners (NABCEP) Entry-level Preparation</td>
<td>2</td>
</tr>
<tr>
<td>EET130</td>
<td>Digital Fundamentals I</td>
<td>6</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 52-57

Approved Program Electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125</td>
<td>Any computer science course, CS120 or above</td>
<td>variable</td>
</tr>
<tr>
<td>EET131</td>
<td>Digital Fundamentals II</td>
<td>6</td>
</tr>
<tr>
<td>EET140</td>
<td>Solid State Fundamentals</td>
<td>7</td>
</tr>
<tr>
<td>EET180</td>
<td>Cooperative Work Experience/Electronics</td>
<td>1-5</td>
</tr>
<tr>
<td>GS104</td>
<td>Physical Science with lab</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Electronics Technology Department:
Grants Pass or Medford. ........................................ 541-245-7809
Toll free in Oregon. ........................................... 800-411-6508, Ext. 7809
E-mail ......................................................... electronics@roguecc.edu
Web address .................................................. www.roguecc.edu/Electronics
TTY ......................................................... Oregon Telecom Relay Service, 711

Sociology/Social Work Interest

Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a guide of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a sociology/social work major vary at each university.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110</td>
<td>Introduction to Cultural Anthropology</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>BI101</td>
<td>Introduction to Biology I with lab or BI211 General Biology I with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>BI102</td>
<td>Introduction to Biology II with lab or BI212 General Biology II with lab</td>
<td>4</td>
<td>Science</td>
</tr>
<tr>
<td>MTH243</td>
<td>Probability and Statistics</td>
<td>4</td>
<td>Math</td>
</tr>
<tr>
<td>PSY201</td>
<td>General Psychology I</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>PSY202</td>
<td>General Psychology II</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>PSY215</td>
<td>Life Span Human Development</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC204</td>
<td>Introduction to Sociology</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC205</td>
<td>American Society or SOC225 Social Problems</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Recommended electives

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
<th>AAOT Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC211</td>
<td>Social Deviance and Social Control</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC225</td>
<td>Social Problems</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC230</td>
<td>Introduction to Gerontology</td>
<td>4</td>
<td>Social Science</td>
</tr>
<tr>
<td>SOC243</td>
<td>Drugs, Crime and Addiction</td>
<td>4</td>
<td>Social Science</td>
</tr>
</tbody>
</table>

Note: Four courses required in the social science category; additional courses would count as electives.

Oregon public universities offering degrees in this subject:
Eastern Oregon University www.eou.edu
Southern Oregon University www.sou.edu
About the Program
The Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech (OT). The degree transfers directly into the bachelor’s degree program at Oregon Tech in software engineering technology and graduates are guaranteed junior standing in the program. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 39 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to OT.

Students should note that Associate of Science is the only designation that is recorded on their transcript and printed degrees. Students must work closely with their advisors to ensure transferability of this program. If students transfer before completing this degree or transfer in a major not covered by prior requirements, courses will be evaluated individually toward the transfer requirements of the college of their choice. Students are advised to obtain written approval from Oregon Tech to guarantee their catalog of transfer for three years.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. 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.

Advanced Standing
Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department head before being accepted toward core requirements.

Prerequisites
Course No. | Course Title | Credits
---|---|---
CS____ | Introduction to C++ Programming | 4
CS140 | Introduction to Operating Systems | 4
CS233u | Advanced C++ Programming | 4
CS240L | Advanced Operating Systems (Linux) | 4
EET125 | Electronics Fundamentals I (DC) | 6
EET130 | Digital Fundamentals I | 6
EET131 | Digital Fundamentals II | 6
EET240 | Microcontrollers I | 5

TOTAL CORE CREDITS 39
TOTAL PROGRAM CREDITS 90-91

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2 Approved Humanities Electives (Complete 7-8 credits from the following list. A maximum of three performance or studio-based credits indicated by an asterisk are allowed.)

**Course No.** | **Course Title** | **Credits**
---|---|---
ART115,116* | Basic Design | 3-3
ART131,132,133* | Introduction to Drawing | 3-3-3
ART204,205,206 | History of Art I, II, III | 4-4-4
ART211 | Survey of Visual Arts | 3
ART234,235,236* | Figure Drawing I, II, III | 3-3-3
ART237,238,239* | Illustration | 3-3-3
ART281,282,283* | Painting I, II, III | 3-3-3
ENG104,105,106 | Introduction to Literature | 4-4-4
ENG107,108,109 | World Literature I, II, III | 4-4-4
ENG201,202,203 | Shakespeare I, II, III | 4-4-4
ENG204,205,206 | Survey of English Literature I, II, III | 4-4-4
ENG253,254,255 | Survey of American Literature I, II, III | 4-4-4
ENG257 | African American Literature | 4
ENG260 | Introduction to Women Writers | 4
ENG275 | The Bible as Literature | 4
FR201,202,203 | Second Year French I, II, III | 4-4-4
HUM100,101,102,103 | Introduction to Humanities I, II, III | 4-4-4
HUM213,216,217,218,219 | Native American Arts and Cultures | 4-4-4-4
MUS101 | Music Fundamentals | 3
MUS105 | Music Appreciation | 3
MUS108 | Music in World Cultures | 4
MUS111,112,113 | Music Theory and Aural Skills I, II, III | 4-4-4
MUS201 | Introduction to Western Music | 4
MUS205 | History of Jazz | 3
About the Program
The Sterile Processing Technician three-term certificate program prepares students for work in entry-level positions in hospitals and other surgical settings. The sterile processing technician plays a vital role in maintaining the cleanliness, functionality, and inventory of health care instrumentation and equipment. They ensure that patients avoid infections through sterilizing instrumentation and equipment used in hospital procedures.

Students will be introduced to microbiology and have an understanding of infection control, the principles and practices of sterile processing and decontamination procedures, and the ability to maintain inventory control in a healthcare setting. Successful completion of the program prepares students for the Certified Registered Central Service Technician (CRCST) exam.

The U.S. Department of Education requires disclosure of specific information about career and technical certificates to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit the Rogue Community College website at www.roguecc.edu.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements
Sterile Processing Technician is a cohort-based program. Enrollments are limited. Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin the courses within their skill levels as determined by placement test scores. Cohort students must meet certain minimum academic requirements (BT113 or WR151 designated placement test score, CS120 or documented proficiency, MTH60 or MTH63 or designated placement test score, and RD30 or designated placement test score) before starting the program. Please visit www.roguecc.edu/alliedhealth/otc for program application details.

Advanced Standing
Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator’s recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements
These requirements apply only to students admitted to the program during the 2016-17 academic year. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of “C” or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of “P” for these courses indicate a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT113</td>
<td>Business English I or WR151 Introductory Expository Writing or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>CS___</td>
<td>Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH60</td>
<td>Fundamentals of Algebra I or MTH63 Applied Algebra I or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>RD30</td>
<td>College Reading or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

Total Prerequisite Credits 0-16

Required Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH100</td>
<td>Medical Terminology: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>HE252</td>
<td>First Aid/CPR</td>
<td>2</td>
</tr>
<tr>
<td>SPT101</td>
<td>Sterile Processing I</td>
<td>4</td>
</tr>
<tr>
<td>SPT123</td>
<td>Legal and Ethical Issues for Sterile Processing Technicians</td>
<td>2</td>
</tr>
<tr>
<td>——</td>
<td>Approved program elective(s)</td>
<td>0-4</td>
</tr>
</tbody>
</table>

12-16

Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH105</td>
<td>Communication and Professional Behavior</td>
<td>2</td>
</tr>
<tr>
<td>BA109</td>
<td>Ready, Set, Work: Techniques for Landing a Job</td>
<td>2</td>
</tr>
<tr>
<td>BI100SB</td>
<td>Biology of Human Systems</td>
<td>3</td>
</tr>
<tr>
<td>HCH120</td>
<td>Introduction to the Health Care Industry</td>
<td>3</td>
</tr>
<tr>
<td>SPT102</td>
<td>Sterile Processing II</td>
<td>4</td>
</tr>
</tbody>
</table>

14

Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPT170</td>
<td>Sterile Processing Technician Practicum and Seminar</td>
<td>12</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 38-42

Approved Program Electives 4

(0-4 credits allowed)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI234</td>
<td>Microbiology with lab</td>
<td>4</td>
</tr>
<tr>
<td>BT111</td>
<td>Conflict Management</td>
<td>2</td>
</tr>
<tr>
<td>CG144</td>
<td>Introduction to Assertiveness</td>
<td>1</td>
</tr>
<tr>
<td>CG155</td>
<td>Exploring Careers in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>SP100</td>
<td>Basic Communication</td>
<td>3</td>
</tr>
<tr>
<td>WR151</td>
<td>Understanding English Grammar</td>
<td>2</td>
</tr>
<tr>
<td>SPAN101,102,103</td>
<td>Fire Year Spanish I, II, III</td>
<td>4-4-4</td>
</tr>
</tbody>
</table>

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

2 Course completed on or after summer 2016 satisfies the requirement.

3 Students who have completed either BI121 and BI122 or BI231, BI232, and BI233 (the entire sequence of either series) with an equivalent “C” or better grade do not need to take BI100SB.

4 Additional prerequisites may apply.
The Sustainable Community Development focus award (20-24 credits) provides students with the knowledge, skills, and experiences that will allow them to play a vital role in developing and strengthening their communities for the twenty-first century. Diversity and sustainability are issues that present great challenges as well as incredible opportunities to create strong, thriving communities that meet the needs of their members and the environment.

Community development includes nurturing the integration of socially, culturally, and economically diverse groups to work together for common interests and the expansion of sustainable practices. Community development is studied holistically, including leadership and communication skills, how to effectively utilize the diversity inherent in American communities, and how people can live sustainably in their own locales.

Completing the Sustainable Community Development focus award is an excellent addition to a resume. Knowledge of sustainability and diversity issues may be skills employers consider. Students should be aware that prerequisites exist for most courses, so they should plan accordingly.

## Required courses

(must be completed at RCC)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS226</td>
<td>Civic Engagement and Community Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SOC213</td>
<td>Race and Ethnicity in the U.S.</td>
<td>4</td>
</tr>
<tr>
<td>SOC228</td>
<td>Environment and Society</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL REQUIRED CREDITS</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>

## Electives

(Choose elective courses from the following):

### Leadership and Communication

(3-4 credit minimum)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA131</td>
<td>Introduction to Business Computing</td>
<td>4</td>
</tr>
<tr>
<td>BA214</td>
<td>Business Communications</td>
<td>4</td>
</tr>
<tr>
<td>ED210/121/122</td>
<td>Leadership II/III</td>
<td>1-3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>SP115</td>
<td>Introduction to Intercultural Communication</td>
<td>4</td>
</tr>
<tr>
<td>WR227</td>
<td>Technical Writing</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Cooperative Work Experience as approved within major 1</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

### Diversity

(one class, 3-4 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH110</td>
<td>Introduction to Cultural Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ENGL257</td>
<td>African American Literature</td>
<td>4</td>
</tr>
<tr>
<td>ENGL260</td>
<td>Introduction to Women Writers</td>
<td>4</td>
</tr>
<tr>
<td>HUM210/211/212/213</td>
<td>Native American Art/Cultures</td>
<td>4</td>
</tr>
<tr>
<td>IS110</td>
<td>Introduction to International Studies I</td>
<td>4</td>
</tr>
<tr>
<td>REL101</td>
<td>World Religion</td>
<td>4</td>
</tr>
<tr>
<td>SOC235</td>
<td>The Chicano/Latino Historical Experience</td>
<td>4</td>
</tr>
<tr>
<td>SOC218</td>
<td>Sociology of Gender</td>
<td>4</td>
</tr>
</tbody>
</table>

---

**Sustainability**

(one class, 3-5 credits)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI215</td>
<td>General Biology III with lab</td>
<td>4</td>
</tr>
<tr>
<td>BI272</td>
<td>Introduction to Ecology with lab</td>
<td>4</td>
</tr>
<tr>
<td>EET113</td>
<td>Exploration of Alternative Energies (may not transfer)</td>
<td>3</td>
</tr>
<tr>
<td>EET118</td>
<td>Introduction to Renewable Energy Systems (may not transfer)</td>
<td>5</td>
</tr>
<tr>
<td>ENV111</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOG100</td>
<td>Introduction to Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG110</td>
<td>Introduction to Cultural and Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>LAT115</td>
<td>Ecology of the Siskiyous (may not transfer)</td>
<td>3</td>
</tr>
<tr>
<td>REL243</td>
<td>Nature, Religion and Ecology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Cooperative Work Experience classes as approved within major 1</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

**TOTAL ELECTIVE CREDITS**

9-13

**TOTAL FOCUS AWARD CREDITS**

20-24

Note: This focus award is not a formal, transcripted degree or certificate but recognizes student achievement in a specific topic or theme. Focus awards may be earned in combination with a certificate or degree. Classes are lower-division collegiate courses (except where noted) that may transfer to a variety of programs at a four-year college or university as elective credits, program requirements, and/or graduation requirements for the receiving institution. Students are encouraged to check with the receiving institution and their RCC academic advisor for the most accurate transfer requirement information.

1 A maximum of 3 Cooperative Work Experience credits may be used toward the focus award as approved by focus award advisor.

For more information contact the Social Science Department:
Grants Pass or Medford ........................................ 541-245-7508
Toll free in Oregon ............................................ 800-411-6508, Ext. 7508
Web address ................................................. www.roguecc.edu/programs/sustainability
TTY .................................................. Oregon Telecom Relay Service, 711

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## Web Development

### Associate of Applied Science Degree

**About the Program**

The Web Development program is designed to prepare students for employment in Web development and Web programming positions within an organization. This two-year degree provides students with the skills to plan, create, and implement websites for a wide-variety of businesses. Many of the courses taken toward this degree can be applied to a four-year degree in Web development, computer programming, and other Web-related careers.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/programs/LearningOutcomes.

**Entry Requirements**

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

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the Computer Science Department chair to determine placement.

If students intend to transfer to SOU’s Bachelor of Applied Science degree program, transfer courses should be chosen from the list of electives where possible. See an advisor for more information or visit www.sou.edu/degreecompletion.
Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.roguecc.edu/Programs/CareerPathways.

**Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of “C” or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

**Prerequisites**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or Business English I or designated placement test score</td>
<td>0-4</td>
</tr>
</tbody>
</table>

**Total Prerequisite Credits** 0-12

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE250</td>
<td>Personal Health or HE252 First Aid/CPR or HEP205 Health and Fitness Life or HE112 Emergency First Aid or HE261 CPR</td>
<td>1-3</td>
</tr>
<tr>
<td>LBI27</td>
<td>Introduction to Academic Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or higher level math courses</td>
<td>4</td>
</tr>
<tr>
<td>PST101</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>SP111</td>
<td>Fundamentals of Public Speaking or Speech</td>
<td></td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total General Education Credits** 17-19

**Required Core Courses**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM225</td>
<td>Small Group Communication</td>
<td>4</td>
</tr>
<tr>
<td>CS125d</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS133p</td>
<td>Java Script I</td>
<td>4</td>
</tr>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I</td>
<td></td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II</td>
<td></td>
</tr>
<tr>
<td>CS195</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS196</td>
<td>Web Authoring II (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS233p</td>
<td>JavaScript II</td>
<td>4</td>
</tr>
<tr>
<td>CS235</td>
<td>Website Development: Website Assistant</td>
<td>3</td>
</tr>
<tr>
<td>CS240L</td>
<td>Advanced Operating Systems – Linux</td>
<td>4</td>
</tr>
<tr>
<td>CS245wd</td>
<td>Web Developer Portfolio and Professional Practices</td>
<td>3</td>
</tr>
<tr>
<td>CS247</td>
<td>Web Analytics and Search Engine Optimization</td>
<td>4</td>
</tr>
<tr>
<td>CS275</td>
<td>Data Base Development I</td>
<td>4</td>
</tr>
<tr>
<td>CS295</td>
<td>Web Development I (PHP)</td>
<td>4</td>
</tr>
<tr>
<td>CS296</td>
<td>Web Development II (PHP/MySQL)</td>
<td>4</td>
</tr>
<tr>
<td>CS296e</td>
<td>Team-based Web Development</td>
<td>4</td>
</tr>
<tr>
<td>CS297wd</td>
<td>Web Developer Studio/Bootstrap Project</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Required Core Credits** 77-79

**TOTAL PROGRAM CREDITS** 94-98

**Approved Program Electives**

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS133b</td>
<td>Visual Basic I</td>
<td>4</td>
</tr>
<tr>
<td>CS133c</td>
<td>Programming Fundamentals Using C#</td>
<td>4</td>
</tr>
<tr>
<td>CS133u</td>
<td>Introduction to C++ Programming (if not taken as core requirement)</td>
<td>4</td>
</tr>
<tr>
<td>CS160</td>
<td>Introduction to Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>CS161</td>
<td>Computer Science I (if not taken as core requirement)</td>
<td>4</td>
</tr>
<tr>
<td>CS162</td>
<td>Computer Science II (if not taken as core requirement)</td>
<td>4</td>
</tr>
<tr>
<td>CS199ma</td>
<td>Special Studies: Introduction to Building Mobile Applications</td>
<td>4</td>
</tr>
<tr>
<td>CS235u</td>
<td>Advanced C++ Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS236b</td>
<td>Ruby on Rails Programming (if not taken as core requirement)</td>
<td>4</td>
</tr>
<tr>
<td>CS237w</td>
<td>Website Design</td>
<td>4</td>
</tr>
<tr>
<td>CS280</td>
<td>Cooperative Work Experience/Computer Science</td>
<td>variable</td>
</tr>
<tr>
<td>GD120</td>
<td>Digital Graphics Design I</td>
<td>3</td>
</tr>
<tr>
<td>GD160</td>
<td>Digital Imaging: Photoshop</td>
<td>3</td>
</tr>
<tr>
<td>MTH111</td>
<td>College Algebra or higher level math courses</td>
<td>variable</td>
</tr>
<tr>
<td>SOC237</td>
<td>Communication, Relationships and Technology</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Computer Science Department:

Grants Pass ............................................. 541-956-7213
Medford ................................................. 541-245-7527
Toll free in Oregon ..................................... 800-411-6508, Ext. 7213 or Ext. 7527
email ................................................. wccomputerscience@roguecc.edu or rvccomputerscience@roguecc.edu
Web address ............................................. www.roguecc.edu/computerscience
TTY ....................................................... Oregon Telecom Relay Service, 711

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**Web Development: Website Assistant**

**Career Pathways Certificate**

**About the Program**

The Website Assistant two-term Career Pathways certificate is intended to provide the foundations of website development. It will be aimed at employees seeking additional job training and those who want to learn more about Web development. All courses included in this pathway will lead to the one-year certificate and two-year AAS degree. Students completing this program will be able to fill entry-level jobs as Web assistant, Web editor or similar entry-level positions.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

**Entry Requirements**

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

**Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Computer Science Department chair’s approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the Computer Science Department chair to determine placement.

Credits earned in the successful completion of Career Pathways certificates can be applied to other...
To graduate, students must complete all courses in this program with a grade of “C” or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or higher level math or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT113 Business English 1 or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>TOTAL PREREQUISITE CREDITS</td>
<td></td>
<td>0-12</td>
</tr>
</tbody>
</table>

Required Technical Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS135j</td>
<td>JavaScript I</td>
<td>4</td>
</tr>
<tr>
<td>CS195</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS196</td>
<td>Web Authoring II (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS255</td>
<td>Word Press/Content Management Systems (CMS)</td>
<td>3</td>
</tr>
<tr>
<td>CS255w</td>
<td>Website Design I</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL PROGRAM CREDITS</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

About the Program

The Website Development certificate parallels the AAS degree program with a focus on Web design layout, basic Web programming and scripting, and Web content management. Specific topics to be covered are industry-standard Web design applications, basic scripting, Web authoring, writing for the Web, e-commerce basics, and Web optimization. Graduates will be prepared as entry-level Web assistants, Web designers and computer specialists along the Web developer pathway.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes, graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information visit http://www.roguecc.edu/GainfulEmployment.

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. For a list of learning outcomes for this discipline or program, see www.roguecc.edu/Programs/LearningOutcomes.

Entry Requirements

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

Advanced Standing

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Credits earned in the successful completion of Career Pathways Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, contact the Computer Science Department:

Grants Pass ................................................. 541-956-7213
Medford ...................................................... 541-245-7527
Toll free in Oregon .......................... 800-411-6508, Ext. 7213 or Ext. 7527
e-mail ........................................... rvccomputerscience@roguecc.edu or rvccomputerscience@roguecc.edu
Web address ........................................... www.roguecc.edu/computerscience
TTY ......................................................... Oregon Telecom Relay Service, 711

For more information contact the Computer Science Department:

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS120</td>
<td>Concepts in Computing I or documented computer proficiency</td>
<td>0-4</td>
</tr>
<tr>
<td>MTH65</td>
<td>Fundamentals of Algebra II or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>WR115</td>
<td>Introduction to Expository Writing or BT113 Business English 1 or designated placement test score</td>
<td>0-4</td>
</tr>
<tr>
<td>TOTAL PREREQUISITE CREDITS</td>
<td></td>
<td>0-12</td>
</tr>
</tbody>
</table>
### Required Technical Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS140</td>
<td>Introduction to Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>CS195</td>
<td>Web Authoring I (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>MTH95</td>
<td>Intermediate Algebra or higher level math</td>
<td>4</td>
</tr>
<tr>
<td>WR121</td>
<td>English Composition I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

#### First Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS133js</td>
<td>JavaScript I</td>
<td>4</td>
</tr>
<tr>
<td>CS240L</td>
<td>Advanced Operating Systems - Linux</td>
<td>4</td>
</tr>
<tr>
<td>CS235</td>
<td>Word Press/Content Management Systems (CMS)</td>
<td>3</td>
</tr>
<tr>
<td>CS233js</td>
<td>Javascript II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

#### Second Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS125db</td>
<td>Data Base Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS196</td>
<td>Web Authoring II (HTML/CSS)</td>
<td>4</td>
</tr>
<tr>
<td>CS235</td>
<td>Word Press/Content Management Systems (CMS)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

#### Third Term

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS233js</td>
<td>Javascript II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS**: 44

1 Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Computer Science Department:

- Grants Pass .................................................. 541-956-7213
- Medford ..................................................... 541-245-7527
- Toll free in Oregon ................................. 800-411-6508, Ext. 7213 or Ext. 7527
- email . . . . . . rwccomputerscience@roguecc.edu or rvccomputerscience@roguecc.edu
- Web address ................................................. www.roguecc.edu/computerscience
- TTY ......................................................... Oregon Telecom Relay Service, 711
Continuing Education

www.roguecc.edu/ContinuingEducation

The Continuing Education Department provides life-long learning opportunities that enhance the fulfillment and personal success of the citizens in the community. Continuing Education creates and provides learning events in line with the community’s needs in all areas of workforce, business community, private/public organizations and personal enrichment.

Continuing Education classes and services include the following:

- Child Care Provider Training
- Commercial Truck Driver Training
- Forklift Operator Safety Training
- High School Driver Training
- Landscape Contractors Training
- Pesticide Applicator Licensing
- Traffic Control Flagger
- Development of Evaluation Tools to Measure Training Effectiveness
- Communication Skills and Customer Service
- Computer Training
- Diversity and English as a Second Language
- Human Resource Development and Consulting
- Leadership Training
- Lean Practices
- Manufacturing, CAD/CAM, and Technical Training
- Quality and Productivity Improvement
- Special Events and Meeting Space Coordination
- Train the Trainer

Community Education

www.roguecc.edu/CommunityEd

- A Bldg., Redwood Campus, 3345 Redwood Hwy., Grants Pass, 541-956-7303
- RCC/SOU Higher Education Center, Riverside Campus, 101 S. Bartlett, Medford, 541-956-7303
- Table Rock Campus, 7800 Pacific Ave., White City, 541-956-7303

Community Education classes are short, non-credit and designed for personal enrichment, lifelong learning and enjoyment. Most meet in the evening and subjects range from art to computer classes. Other topics include cooking, foreign languages and fitness. These classes are not a part of regular programs of study. Participation documentation is available upon request. Most Community Education classes are self supporting, which means they must pay for themselves and do not use tax dollars.

All course listings are updated quarterly and viewable at the above website.

Commercial Truck Driver Training

www.roguecc.edu/department/truck/

- 541-956-7131

Customized Training

www.roguecc.edu/Workforce/Customized

- Josephine or Jackson County, 541-956-7188

RCC Customized Training provides solutions and opportunities for individuals and organizations to succeed. Training is built to meet employers’ or business owners’ needs through an assessment process:

**Step 1: Needs analysis**

RCC helps assess training needs and develop a training event to meet individual work schedules and skill improvement objectives. Once skill improvement needs have been determined, RCC can help develop a cost effective training plan through customized education services.

**Step 2: Curriculum development**

RCC works with business staff to develop curriculum and delivery methods that meet the needs of the organization. Training is offered by instructors with industry experience who understand the particular business or organizational environment.

**Step 3: Convenient training delivery**

RCC will create training venues that meet an employer’s timeline, schedule and preferred location. Training can be delivered in a classroom environment, on site, or online.

Short-Term Skills Training

www.roguecc.edu/Workforce/Short-termSkills

- Josephine or Jackson County, 541-956-7116

Short-term skills training focuses on vocational training and industry-specific certifications that enhance current employee skills or provide job seekers increased opportunity for employment. Workforce development activities can benefit job seekers, laid off workers, youth, incumbent workers, new entrants to the workforce, veterans, persons with disabilities, and employers.

Industry-specific certifications are offered in subject areas such as Commercial Truck Driver Training, Welding, Forklift, Flagger, Adult and High School Driver’s Training, and Oregon OSHA. These trainings are completed in a hands-on setting with modern equipment and trade-experienced instructors. Most trainings are offered for no credit, although approved continuing education units (CEUs) may apply.

Courses may be offered in a traditional classroom environment, online or in a blended format. Some short-term trainings are composed of a course or series of courses mapped to an industry-recognized certification.

Driver Training

www.roguecc.edu/driverEd

- 541-956-7089

- Adult Driver Training
- DMV-mandated Training
- High School Driver Training
The Small Business Development Center (SBDC) is a community-based technical assistance resource available to both existing and prospective small businesses. Staffed by former small business owners and professionals, the SBDC offers:

- Free and confidential one-on-one advising
- Business training courses
- Industry and market research assistance

Funded through a partnership with the U.S. Small Business Administration, Business Oregon, the City of Grants Pass, Josephine County and Rogue Community College, the SBDC has been offering business assistance in the Rogue Valley since 1984.

The RCC SBDC houses a lending library of business-related books and other resources. The SBDC also has a 14-station computer lab used for providing computer based business training.

Typical areas of business advising and training include:

- Smart Start Your Business
- Business Planning
- Marketing Strategies
- Social Media/Technology for Your Business
- Personnel Management Issues
- Understanding Licensing Requirements
- Business Loan Packaging
- Financial Analysis
- Bookkeeping and Recordkeeping
- CCB and LCB Continuing Education
- Construction/Contractor pre-licensing
- Strategic Planning

Illinois Valley Business Entrepreneurial Center (IVBEC)
Kerby Belt Building, 24353 Redwood Hwy., Kerby, OR 541-956-7400

The IVBEC provides an accessible rural outreach center for the RCC Small Business Development Center. One-on-one advising services, business training opportunities, and support resources are available at this location for both existing and prospective business owners of the Illinois Valley. This center also features meeting space and a computer lab.

The Small Business Management experience is designed to enable owners of established small business to be more successful in identifying and achieving their business goals. SBM is a highly effective training that has been offered in the Rogue Valley for over 25 years. It provides a client-tailored approach to business management practices that help business owners more effectively manage their operation and improve their bottom line.

The SBM nine-month curriculum is designed as an interactive classroom experience combined with one-on-one advising sessions. The course provides information and analysis tools that business owners can apply to achieve streamlined operations and improved profitability. The following topics are typically covered:

- Fundamental Business Practices
- Understanding Financial Management and Statements
- Principles of Marketing and E-Marketing
- Managing Cash Flow
- Employee Management and Supervision
- Strategic Management Principles
- Customer Service and Relations Management
- Leadership Principles and Managing Change
- Process Improvement and Quality Control

Next Level Plan (NLP)
NLP is a business service developed to help existing businesses that have achieved some level of success to take their enterprises to the next level in growing their regional, national and potentially international markets.

Businesses that seek NLP advising are assigned a team of two professional business advisors who bring a background of expertise in strategically growing and managing companies at multi-million dollar sales levels. The NLP process includes qualification, discovery, assessment, research, planning, advising and mentoring.

NLP advisors have proven experience in corporate development, strategic planning, business planning, sales and distribution, product development, finance/accounting, capital acquisition, operations management, problem solving and visioning. In addition to the free, in-depth advising and mentoring, the NLP team provides access to applied market research tools and government contracting assistance. Services are made available at no cost through the SBDC’s collaborative funding sources.
Career and Technical Courses

AH100 3 credits
Medical Terminology: Introduction
Provides a basic understanding of medical terminology using a word-building approach based on the systems of the human body. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisites: RD30 and WR30 or designated placement test scores.

AH101 3 credits
Medical Assistant: Administrative
Covers a variety of front office topics for medical assistants including communication skills and office professionalism, teamwork and critical thinking skills, work ethics and time management, and diversity and cultural sensitivity. Also includes an overview of medical assisting, recordkeeping, documentation through EPIC (electronic health records software), and clinic management. Students will be responsible for knowing about medical law, patients' rights, HIPAA, and bioethics as related to medical assisting and medical clinics. Billing and coding, how to schedule patients, and triage for patient check-in are also included, as well as basic medical terminology in Spanish. The American Association of Medical Assistants (AAMA) certification standards are integrated throughout the course. Prerequisite: Admission to the Medical Assistant program. Offered fall term.

AH102 3 credits
Medical Assistant: Clinical
Covers back office topics for medical assisting such as how to communicate effectively with patients including active listening and dealing with difficult patients, and how a patient's brain reacts to illness and how that influences communication. Appropriate personal protective equipment and infection control, including the infection cycle of bacteria and viruses, is also included. Several specific infectious diseases will be discussed. Students will learn how to collect a patient's history, check patients into a clinic, and prepare them for their appointments or procedures. Instruction on patient care, taking vital signs, treatment and diagnosis assistance, and giving medication will be addressed, as well as how to perform specific screening tests. There will be a review of the EHR and EPIC computer programs, and emergency plans with OSHA, MSDS and safety in the clinic. Prerequisite: Admission to the Medical Assistant program. Offered fall term.

AH103 3 credits
Medical Assistant: Specialty
Covers specialty clinic front and back office topics for medical assisting including how to effectively communicate with geriatric and young children in the medical setting. Students will learn about the challenges involved in working with patients with varying brain capacity and function and how to best communicate treatment to them. Nutrition and its effects on patients' brains will be discussed as well as how to integrate it into a treatment plan. This class also focuses on teaching students about the many types of specialty clinics and how they differ from each other in treatment and diagnosis. Students will also learn how to perform specialty clinical lab techniques as well as various WAIVE testing. Also introduced are 12-lead electrocardiography training and x-ray imaging as well as surgical setup and sterilization techniques. Prerequisite: Admission to the Medical Assistant program. Offered fall term.

AH104 3 credits
Phlebotomy w/Lab
Prepares students to take the American Society for Clinical Pathology (ASCP) Phlebotomy certification examination. The examination requires 40 hours of classroom training in anatomy and physiology of the circulatory system, specimen collection, specimen processing and handling, and laboratory operations (e.g., safety, quality control, etc.), and 100 clock hours of clinical training and orientation in an accredited laboratory with a minimum performance of 100 successful unaided blood collections (venipunctures and skin punctures). This course, taken with AH170, prepares students to take the exam. Prerequisite: Acceptance into the Phlebotomy or Medical Assistant programs. Offered fall, winter and spring terms.

AH105 2 credits
Communication and Professional Behavior
Prepares students for practicing experiences and employment in the healthcare industry by understanding and practicing communication skills (oral and written), workplace ethics, and professional behavior. Prerequisite: Admission to any allied health certificate program.

AH106 2 credits
Legal and Ethical Issues for Medical Assistants
Exposes students to a variety of legal and ethical dilemmas, helping them become more prudent and confident medical assistants. Classroom content includes: the legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. Prerequisite: Acceptance into the Medical Assistant program. Offered fall term.

AH110 3 credits
Medical Terminology: Clinical
Continues the study of medical terminology and medical records analysis. Focuses on the clinical aspects of terminology including pharmacology, medical specialties, medical records, diagnostic and treatment procedures, and laboratory testing. Prerequisite: AH100 recommended.

AH120 4 credits
Medical Administrative Assistant I
The first of two courses that prepare students for careers as medical administrative assistants. It introduces the concepts and skills related to patient and facility scheduling, patient intake, office logistics, privacy, and workplace safety. Prerequisite: Acceptance into the Medical Administrative Assistant program. Offered fall term.

AH121 4 credits
Medical Administrative Assistant II
Builds upon the themes and skills introduced in AH120. It focuses on the integration of the skills for the medical office setting and covers more in-depth issues in patient privacy, patient rights and responsibilities, and safety in the workplace. Prerequisite: AH120. Offered winter term.

AH123 2 credits
Legal and Ethical Issues for Medical Administrative Assistants
Exposes students to a variety of legal and ethical dilemmas, helping students become more prudent and confident medical administrative assistants. Classroom content includes the legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. Prerequisite: Acceptance into the Medical Administrative Assistant program. Offered winter term.

AH130 4 credits
Concepts in Medical Insurance and Billing
Explores the fundamentals of health insurance, reimbursement processes and methodologies, billing cycles, payment systems, fee schedules, charge master, and internal audit processes. It includes an introduction to how health information technology is used in medical offices. Students will learn how to apply this information to enter patient charges and payments. Prerequisite: Acceptance into any allied health cohort program. Offered winter term.

AH140 4 credits
Basic CPT Coding
Introduces students to the basic concepts and methodology associated with Current Procedural Terminology (CPT) coding including terminology, formatting, basic guidelines, and surgical package concepts. CPT is a set of codes and descriptions developed by the American Medical Association to standardize the identification of services commonly provided by physicians. Additionally, the role of CPT in Healthcare Common Procedure Coding System (HCPCS) coding and the usage of codes in reimbursement management will be introduced. Prerequisite: Acceptance into the Medical Coding Specialist program. Offered spring term.

AH141 4 credits
Basic Coding in ICD-10-CM
Accurately identifies the reason for the physician service and supports the medical necessity of services rendered. This course earmarks the various tables and volumes used, indicates the usage of ICD codes for statistical and tracking purposes, and identifies the unique skill sets specific to the professional coding setting. Emphasis is placed on the principles of coding and classification systems used in the assignment of valid diagnostic and/or procedural codes. Prerequisite: Acceptance into the Medical Coding Specialist program. Offered spring term.

AH165 2 credits
Introduction to Pharmacology for Pharmacy Technicians
Introduces the world of pharmacology as relevant to pharmacy technicians, including medication preparations and dosages, patient conditions related to medications and the effects medications have on the patient's body. It also addresses the pharmacological issues of special populations such as pediatrics, neonatal, and geriatrics. Prerequisites: BT113 or WR115, MTH20, and RD30 or designated placement test scores. Offered winter term.

AH170, AH171 2-8 credits each
Medical Assistant Practicum and Seminar
Provides hands-on clinical experience. Students work an average of 12 hours per week in a host site as part of the patient care team and experience first-hand the various operations within a primary, specialty and/or urgent care settings. Students will participate in three seminars during the term – an orientation seminar to discuss expectations for the term; a mid-term seminar to discuss current activities and exchange details on experiences; and a concluding seminar to reflect on work experiences. Prerequisites: Acceptance into the Medical Assistant competitive-entry cohort and successful completion of all first term courses, including AH102. Offered winter and spring terms.
ANTHROPOLOGY

Lower Division Transfer Courses

ANTH110 4 credits
Introduction to Cultural Anthropology
Examines human social organizations, the meaning of culture and its diverse forms and structures, cultural growth and expansion, and the nature of cultural change. Explores various key anthropological topics that may include language, ritual, kinship, the arts, globalization, religion and political and economic structures. Examples are drawn from small scale societies and from industrialized societies. Societies featured may include, but are not limited to, the Trobriand Islanders of the South Pacific and the Ju'/hoansi of Southern Africa. Fullfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: BT113 or WR115 or designated placement test score.

ANTH150 4 credits
Introduction to Archaeology
Introduces the science of archaeology; its history, methods and theory. Citing examples from the prehistoric world, it examines the nature of archaeological data, the application of techniques, and the extrapolation of culture from the archaeological record. In so doing, it illustrates the relationship of culture to environment, a variety of ideas regarding past cultural change, and the role of modern archaeology in preserving the past for the future. Prerequisite: BT113 or WR115 or designated placement test score. Offered in fall and spring terms.

ANTH199 Variable credit
Special Studies: Anthropology
Presents special topics of study in anthropology through workshop, seminar, research, and/or independent study formats. Content varies according to department needs and demand.

APPRENTICESHIP

Career and Technical Courses

APR105 variable credit
Apprenticeship Credit for Prior Learning
Credit awarded for documented work-based learning for registered apprentices and journey persons.

APR107 18 credits
Apprenticeship: HVAC
Represents six required courses offered in six terms during the first two years of the HVAC Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or plumbers holding a journey-level card.

APR116 18 credits
Apprenticeship: Millwright
Represents six required courses offered in six terms during the first two years of the Millwright Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction will include technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or millwrights holding a journey-level card.

APR118 18 credits
Apprenticeship: Sheet Metal
Represents six required courses offered in six terms during the first two years of the Sheet Metal Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Topics within the courses include safety practices, technical mathematics, drafting for layout and installation and basic fabrication techniques. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or sheet metal workers holding a journey-level card.

APR120 24 credits
Apprenticeship: Boiler Plant Operator
Represents six required courses offered over six terms during the second year of the Boiler Plant Operator Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or boiler operators holding a journey-level card.

APR127 22-24 credits
Apprenticeship: Electrical
Represents seven courses offered over six terms during the first two years of the Electrical Apprenticeship program. Courses in this series will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or electricians holding a journey-level card.

APR129 21 credits
Apprenticeship: Airframe and Power Plant Mechanics
Represents four courses offered over four terms during the 30-month Airframe and Power Plant Mechanic Apprenticeship program. Supplements on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes an overview of aviation, applied electronics, and aircraft systems. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or airframe and power plant mechanics holding a journey-level card.

APR207 18 credits
Apprenticeship: HVAC
Represents six required courses offered over six terms during years three and four of the HVAC Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or plumbers holding a journey-level card.

APR211 24 credits
Apprenticeship: Plumbers
Represents six required courses offered in six terms during years three and four of the Plumbers Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or plumbers holding a journey-level card.

APR216 16 credits
Apprenticeship: Millwright
Represents six required courses offered in six terms during years three and four of the Millwright Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or millwrights holding a journey-level card.

APR218 18 credits
Apprenticeship: Sheet Metal
Represents six required courses offered in six terms during years three and four of the Sheet Metal Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or sheet metal workers holding a journey-level card.

APR227 24 credits
Apprenticeship: Electrical
Represents six courses offered over six terms during year three and four of the Electrical Apprenticeship program. Required courses are based on the apprentice's field of study. Courses in this series will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes technical mathematics, principles of basic electricity and power transmission, carpentry skills, operation and maintenance of boilers, and cutting and welding techniques used in fabrication. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or electricians holding a journey-level card.
ART115 3 credits
Basic Design (Composition)
Provides instruction in the basic concepts, vocabulary, and practice of design, emphasizing essential elements and principles of composition. Assignments will deal with processes of creativity, ideation, aesthetic analysis, style and meaning. Students work primarily in black and white media. Skills and experiences acquired in this studio course are applicable to fine arts, crafts and commercial design. Satisfies foundation core requirements for art and graphic design; recommended as a prerequisite for all studio courses.

ART116 3 credits
Basic Design (Color Theory)
Provides instruction in the basic theories and practice of using color through coursework addressing both concept and experience, and also provides a foundation in the vocabulary and practice of color theory. Assignments will deal with color mixing, describing space and shape, basic color relationships, the use of color in image development, and understanding how color relationships affect psychological and visual perception, primarily in subtractive methods. Students explore the analysis of composition with a focus on the use of color and its effects meet individually determined designs. This course satisfies foundation core requirements for art and graphic design majors.

ART131 3 credits
Introduction to Drawing (Value)
Explores basic art processes, techniques and media usage, and provides the foundation for the development of creative thinking and self-expression. This course introduces basic principles, methods and media with an emphasis on value drawing. Designed to expand aesthetic awareness, the course assists students in developing a personal visual language by presenting skills to communicate in today's art world. Through a combination of mini-lectures, demonstrations, studio work, and group discussions, the concepts of light, form, spatial depth and composition are explored. Offered fall and spring terms.

ART132 3 credits
Introduction to Drawing (Line)
Basic drawing principles, techniques and media usage are introduced through a combination of mini-lectures, demonstrations, studio work and group discussions. Designed to expand aesthetic awareness, representational skills, and critical thinking, this course assists students in developing a personal visual language by presenting skills to communicate in the contemporary art world. The concepts of spatial depth, volume, and composition are explored with an emphasis on line drawing, working primarily from life. Offered winter and spring terms.

ART133 3 credits
Introduction to Drawing (Mixed Media)
Stimulates creative experimentation with drawing processes through the use of a variety of wet and dry media, collage, transfer and others. This course provides a framework for the development of self-expression and creative thinking skills needed to communicate in today's art world. Introduces the experience of working in a multi-media drawing format through a combination of lectures, studio work and group discussions. Offered spring term.

ART197 3 credits
Gallery Design and Management
Explores the inner workings of a gallery from the perspectives of artist and gallery director. Training includes installation of exhibits, communication with artists, recordkeeping, shipping, and all phases of gallery clerical work and promotion. Discussion focuses on exhibition design and installation as well as contemporary and historical perspectives and critiques. Prerequisites: ART204, ART205, ART206, WR121, and at least 9 credits in studio art courses. Offered spring term.

ART198 Variable credit
Independent Study: Art (Portfolio)
Develops the knowledge, requirements, and materials needed for creating professional portfolios of creative work for exhibition proposals and admission into art schools. Recommended for art majors. Prerequisites: ART204, ART205, ART206, WR121, and at least 9 credits of studio art coursework. Offered winter and spring terms.

ART199 Variable credit
Special Studies: Art
Emphasizes study in a variety of art disciplines to fulfill specific educational goals.

ART204 4 credits
History of Art I
Allows both art and non-art majors to gain skills in appreciating, understanding, and evaluating the beauty and meaning in art and life in the context of culture and evolving needs and belief systems. For art majors, a necessary foundation is laid for advanced study in studio art and art history. Students study the history of art in the context of the cultures producing them by studying selected works of painting, sculpture, architecture, and other fine arts, from prehistoric to Gothic periods. Students study the development of art in the Western tradition with reference to major periods and styles of art from the non-Western world, including art from Asia, Africa, the Americas, and the Pacific Islands. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. May require use of the Internet and online college resources. Prerequisite: BT113 or WR115 or designated placement test score. Offered fall and winter terms.

ART205 4 credits
History of Art II
Allows both art and non-art majors to gain skills in appreciating, understanding, and evaluating the beauty and meaning in art and life in the context of culture, and evolving needs and belief systems. For art majors, a necessary foundation is laid for advanced study in studio art and art history. Students study the history of art in the context of the cultures producing them by studying selected works of painting, sculpture, architecture, and other fine arts, from the Renaissance to Baroque periods. Students study the development of art in the Western tradition with reference to major periods and styles of art from the non-Western world, including art from Asia, Africa, the Americas, and the Pacific Islands. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. May require use of the Internet and online college resources. Prerequisite: BT113 or WR115 or designated placement test score. Offered fall and spring and summer terms.

ART206 4 credits
History of Art III
Allows both art and non-art majors to gain skills in appreciating, understanding, and evaluating the beauty and meaning in art and life in the context of culture, and evolving needs and belief systems. For art majors, a necessary foundation is laid for advanced study in studio art and art history. Students study the history of art in the context of the cultures producing them by studying selected works of painting, sculpture, architecture, and other fine arts, from the 18th century to contemporary times. Students study the development of art in the Western tradition with reference to major periods and styles of art from the non-Western world, including art from Asia, Africa, the Americas, and the Pacific Islands. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. May require use of the Internet and online college resources. Prerequisite: BT113 or WR115 or designated placement test score. Offered fall and spring and summer terms.

ART211 3 credits
Survey of Visual Arts
Enhances appreciation of art by comparing works from diverse cultures and historical periods. An interdisciplinary studies approach is used to reveal the aesthetic, purpose, and meaning of art from prehistory to modern times. Recommended for non-art majors. May require use of the Internet and other online sources. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement test score. Offered infrequently.

ART222 3 credits
Graphic Design (Typography)
Acquaints students with the basic concepts needed for entry-level graphics positions. Increases understanding of letterforms, font usage, and changes from media to media, and the effect on viewers. Includes concept design from thumbnail to finished product, skill development as applied to logo, trade-marks and business packages, and covers current standards of design. Offered fall term.

ART234 3 credits
Figure Drawing I
Introduces techniques and process in drawing the figure from life. This course provides a framework for the development of self-expression for beginning students and presents advanced students with problem-solving experiences appropriate to issues in contemporary art. Students draw exclusively from live models, both nude and draped, using a range of materials and formats. Through direct observation, anatomical study, historical information and media experimentation, students develop their drawing skills and increase their knowledge of the human figure in art. Offered spring and summer terms.

ART235 3 credits
Figure Drawing II
Continues development of skills in drawing the human primarily from the live model. Emphasis is on developing technical and facility in representing the figure and on individual style, intent and expression. The course explores historical and contemporary approaches to figurative art as well as creative composition and aesthetic philosophy. Prerequisite: ART234. Offered spring and summer terms.

ART236 3 credits
Figure Drawing III
Advances study in the use of the human form in art. Students are challenged to become aware of their individual interests and areas for development, and to set and achieve their own
ART237 3 credits
Illustration (Black and White Media)
Introduces traditional (non-computerized) illustration techniques, concepts and practices, allowing students to develop an understanding of how to create an illustration both physically as well as conceptually. The course focuses on black and white media and is designed to increase basic art skills, provide the tools and knowledge for students to successfully complete assigned projects, and develop an understanding of commercial illustration applications. Offered fall, spring and summer terms.

ART238 3 credits
Illustration (Color Media)
Introduces traditional (non-computerized) illustration techniques, concepts and practices, allowing students to develop an understanding of how to create an illustration both physically as well as conceptually. The course focuses on color and color media and is designed to increase basic art skills, provide the tools and knowledge for students to successfully complete assigned projects, and develop an understanding of commercial illustration applications. Offered winter, spring and summer terms.

ART239 3 credits
Illustration (Perspective)
A hands-on course designed to develop knowledge and understanding of measured linear perspective drawing. Increases skills and understanding of the principles of one-point, two-point, and three-point rendering in art. Further work on additional skill development as needed for student progress will be included. The knowledge gained is applicable to both commercial and fine art purposes. Offered summer and winter terms.

ART245 3 credits
Drawing for Graphic Design
Emphasizes conceptualization process through drawing, including the development of thumbnails, brainstorming, research, layout, overlays, and typography, including strategies used in the creation of a graphic design presentation. Students will explore the use of drawing as a tool for visual problem solving, idea generation, visual diagramming and storyboard- ing, as well as a design/illustration medium for final production work. Projects explore visual languages, storytelling, storyboards and the visual essay. Required as part of the Graphic Design certificate and degree programs. Prerequisites: ART115 or ART116, ART131 or ART132, and ART237 or ART238. Offered spring term.

ART253 3 credits
Ceramics I
Introduces students to the history, technology, design and art of pottery, relating traditional and contemporary methods in contemporary art practice. This course will channel students towards creative thinking, self-expression and self-evaluation. Introduces materials, tools, and techniques in producing ceramic pottery and sculptural forms including hand-building, wheel throwing, glaze formulation and application, firing, and other finishes for clay. Project exercises provide experience in modeling, casting, carving and fabrication processes with a special emphasis on self-expression and concepts. Assignments establish a conceptual format within which to explore creative ideas – the course emphasizes hands-on working experience in a variety of media. Projects are short-term in duration with work in greater complexity, size, and more demanding materials reserved for more advanced coursework. The emphasis is on accomplishment of a diversified experience. Lectures and films provide historical and technical information and students are expected to do outside research. Prerequisite: ART226. Offered full term.

ART257 3 credits
Beginning Jewelry and Metalsmithing
Explores basic metalsmithing processes, techniques and material usage and provides a foundation for the development of creative thinking and self-expression. This course is designed for students with limited or no previous jewelry/metalsmithing experience. Introduces tools and techniques used in working with non-ferrous metals through a combination of demonstrations, studio work and group discussions. Further design awareness, develops step-by-step metals techniques and craftsmanship skills, and explores three-dimensional form as functional or wearable art. Offered fall, winter and spring terms.

ART258 3 credits
Intermediate Jewelry and Metalsmithing
Explores basic metalsmithing processes, techniques and material usage and provides a foundation for the development of creative thinking and self-expression. This course is designed for students with limited or no previous jewelry/metalsmithing experience. Introduces tools and techniques used in working with non-ferrous metals through a combination of demonstrations, studio work and group discussions. Further design awareness, develops step-by-step metals techniques and craftsmanship skills, and explores three-dimensional form as functional or wearable art. Prerequisite: ART257 or equivalent. Offered fall, winter and spring terms.

ART259 3 credits
Advanced Jewelry and Metalsmithing
Explores basic metalsmithing processes, techniques and material usage and provides a foundation for the development of creative thinking and self-expression. This course is designed for students with limited or no previous jewelry/metalsmithing experience. Introduces tools and techniques used in working with non-ferrous metals through a combination of demonstrations, studio work and group discussions. Further design awareness, develops step-by-step metals techniques and craftsmanship skills, and explores three-dimensional form as functional or wearable art. Prerequisite: ART258 or equivalent. Offered fall, winter and spring terms.

ART276 3 credits
Sculpture I
Encourages students to develop critical as well as creative thinking through the exploration of materials, processes, concepts and imagery in three-dimensional art forms. Students will explore a range of sculptural materials and techniques, including an introduction to ZBrush digital modeling software and three-dimensional printing. Offered fall term.

ART277 3 credits
Sculpture II
Continues study of sculptural materials, techniques, and concepts. Project exercises provide experience in modeling, casting, carving and fabrication processes with a special emphasis on self-expression and concepts. Assignments establish a conceptual format within which to explore creative ideas – the course emphasizes hands-on working experience in a variety of media. Projects are short-term in duration with work in greater complexity, size, and more demanding materials reserved for more advanced coursework. The emphasis is on accomplishment of a diversified experience. Lectures and films provide historical and technical information and students are expected to do outside research. Prerequisite: ART276. Offered full term.

ART280 Variable credit
Cooperative Work Experience/Art
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

ART281 3 credits
Painting I
Encourages students to develop critical as well as creative thinking through the exploration of materials, processes, concepts, and imagery. Through exposure to a wide range of ideas enables students to develop their own sense of direction. Emphasis is on the exploration and manipulation of form and space in a variety of materials to investigate sculptural expression. Prerequisite: ART277. Offered fall term.

ART282 3 credits
Painting II
Continues concepts and techniques introduced in ART281. Explores a variety of techniques and concepts of various stylistic developments in painting. By focusing on conceptual differences and connections between stylistic periods, students are able to explore techniques developing a broad foundation of ideas and skills as well as facilitating the pursuit of individuality and creative thinking. Prerequisite: ART281 or equivalent.

ART283 3 credits
Painting III
Continues the methods of instruction introduced in ART281 and ART282, with emphasis on techniques and concepts of realism, consideration of value structure, sophistication of color scheme, and illusion of imagery. Students self-identify a set of personal goals and create a body of thematically-related paintings. Prerequisite: ART282 or equivalent.

ART287 3 credits
Aqueous Media/Airbrush I
Introduces airbrush painting as applied to the commercial art field of illustration. The operation and care of airbrush equipment are covered, and students gain hands-on experience working in a variety of exercises to give them a basic knowledge of airbrush techniques. Students will learn about the use of airbrush in commercial art and the different techniques that develop artwork used in advertising and fine art.
ART288 3 credits
Aqueous Media/Airbrush II
Continues techniques and methods introduced in ART287 as applied to the commercial art field of illustration. Operation and care of airbrush equipment are covered, and students gain hands-on experience working in a variety of exercises that give them a basic knowledge of airbrush techniques. Students will continue to practice techniques and develop their individual talents and interests in illustration. Textures, patterns and color, with the added use of lettering to develop camera-ready art work in a variety of projects, will be explored. Students continue to develop their own portfolios with four completed, camera-ready projects of airbrush artwork.

ART291 3 credits
Welded Steel Sculpture I
Provides instruction methods in oxy acetylene, Metal Inert Gas (MIG) welding and brazing to be used for fabricating art pieces in welding rod and sheet metal. The types of design and fabrication that are unique to steel are explored through instruction, demonstration, research, and application of learned techniques. Information about welding will be conveyed through lecture, handouts, demonstration and video. Prerequisite: ART276 recommended. Offered winter term.

ART292 3 credits
Welded Steel Sculpture II
Provides instruction in welding and fabrication of mild steel sculpture. Welding methods include oxy acetylene; Metal Inert Gas (MIG); brazing; use of the plasma cutter; pipe cutter; benders; and cutting torch to be used for fabricating welding rod; sheet metal; round and flat bar; and angle iron; as well as found objects depending on the design. The types of design and fabrication that are unique to steel will be through demonstration, research, and application of learned techniques. Information about welding will be conveyed through lecture, handouts, demonstration and video. Prerequisite: ART291.
Offered winter term.

ART293 3 credits
Welded Steel Sculpture III
Provides instruction in welding and fabrication of mild steel sculpture and the development of pedestals or floor sculptures. A portfolio of work from this or the year-long sequence will be developed. Welding methods include oxy acetylene; Metal Inert Gas (MIG); brazing; use of the plasma cutter; pipe cutter; benders; and cutting torch to be used for fabricating welding rod; sheet metal; round and flat bar; and angle iron; as well as found objects depending on the design. The types of design and fabrication that are unique to steel will be covered through demonstration, research, and application of learned techniques. Information about welding will be conveyed through lecture, handouts, demonstration and video. Prerequisite: ART292.
Offered winter term.

ART294 3 credits
Watercolor I
Introduces basic transparent watercolor and basic painting processes and techniques for the development of creative thinking and self-expression. Designed to expand aesthetic awareness and develop a personal visual language along with the skills to communicate in today's art world. A combination of mini-lectures, demonstrations, studio work and group discussions emphasize the characteristics of the materials, color theory, and a variety of painting styles and imagery. Students work from still life and photographic sources.

ART295 3 credits
Watercolor II
Continues the exploration of basic transparent watercolor techniques along with the introduction of more experimental approaches. Designed to expand aesthetic awareness and develop a personal visual language along with the skills to communicate in today's art world. Students are required to demonstrate mastery of basic painting processes and techniques that provide the foundation for the development of creative thinking and self-expression. This course is a combination of lectures, demonstrations, studio work and group discussions that emphasize the characteristics of the materials, color theory and a variety of painting styles and imagery. Prerequisite: ART294.

ART296 3 credits
Watercolor III
Offered in a semi-directed format allowing students to develop a creative thinking and self-expression approach to painting style and imagery. Designed to expand aesthetic awareness and develop a personal visual language along with the skills to communicate in today's art world. Course assignments explore series development, media experimentation and mastering techniques. The emphasis is on individual development of imagery and style. A combination of mini-lectures, demonstrations, studio work and group discussions focus on the materials, theory, and philosophies of watercolor painting. Prerequisite: ART294.

ART299 Variable credit
Special Studies: Art
Emphasizes advanced study in a variety of art disciplines (drawing, watercolor, ceramics, sculpture, painting, etc.) to fulfill specific educational goals and further development in both technique and creative processes.

Career and Technical Courses

AM111 7 credits
Electricity for Automotive Technicians
Introduces the fundamentals of basic electricity and the use of electrical service and testing equipment. Provides instruction in all phases of starting and charging systems. Emphasis is on hand-held instruments and basic trouble-shooting techniques. Course required for all entering Automotive Technology students (may be waived for equivalent work experience and ASE Electrical Systems certification). Prerequisites: AM120 and AM122. Offered winter term.

AM120 6 credits
Automotive Maintenance and Trades Practices
Introduces basic mechanical shop safety and industrial practices, professionalism and ethics, shop tools and equipment use, and basic automotive maintenance. Course required for all entering Automotive Technology students (may be waived for College Now credit). Program students have priority for enrolling in this class. Prerequisites: MTH20, RD30, and BT113 or WR115 or designated placement test scores. Offered fall and spring terms.

AM122 7 credits
Gasoline Engines Rebuild
Reviews theory and construction of various gasoline internal combustion engines, proper disassembly and reassembly, and measuring of engine components to determine wear. Includes car servicing and testing of various systems related to basic engine operation. Prerequisites: MTH20, RD30, and BT113 or WR115 or designated placement test scores. Offered fall term.

AM131 7 credits
Engine Dynamics and Diagnosis
Provides students with basic engine performance skills. Topics covered are basic and electronic ignition systems, basic fuel systems, oscilloscope diagnosis, emissions systems, infrared diagnosis, and mechanical diagnosis. Prerequisite: AM120. Offered winter term.

AM141 6 credits
Manual Transmissions and Transaxles
Covers theory of operation, maintenance, diagnosis, and repair of manual transmissions and transaxles, clutches, drive axles, and four-wheel and all-wheel drive systems. Prerequisites: AM111 and AM120 or advisor approval. Offered spring term.

AM151 6 credits
Automotive Brake Systems
Covers the principles of brake operation, function, and design as well as troubleshooting, overhauling, repairing, and servicing of automotive brake systems. Prerequisites: AM111 and AM120. Offered spring term.

AM160 6 credits
Automotive Suspension and Steering Systems
Focuses on the diagnosis and repair of major under car components and wheel alignment. Topics covered are suspension and steering systems as well as front- and rear-wheel alignment. Prerequisites: AM111 and AM120 or advisor approval. Offered fall term.

AM190 4 credits
Automotive Repair Lab I
Provides live work experience in all aspects of repair expected of entry-level technicians. Includes basic engine performance, diagnosis and repair of engines, chassis, power trains, and basic electrical systems. Primarily designed for first-year students or those with appropriate skill levels. Prerequisites: AM111 and AM120 or instructor approval. Offered summer term.

AM199 1-8 credits
Selected Topic Workshop
Focuses study in a variety of mechanical technology topics to fulfill specific educational goals. Prerequisites: AM111 and AM120 or approval of instructor.

AM210 3 credits
Mechanical Careers Development
Acquaints students with industry expectations related to professionalism. Includes effective employee/employer relations, and job search skills. Course designed for second-year students. Prerequisites: AM111 and AM120 or advisor approval. Offered spring term.

AM232 7 credits
Computerized Engine Management Systems
Provides students with computer-managed engine performance skills. Topics covered are computer engine control systems, fuel injection, turbo-charging, and the use of sophisticated electronic test equipment to diagnose problems in these systems. Prerequisite: AM131 or advisor approval. Offered fall term.

AM233 7 credits
Advanced Automotive Computer Systems
Topics include OBDDII systems, network computer systems, airbag system diagnosis, anti-lock brake diagnosis, electronic instrument clusters, security systems, and various other automotive computer systems. Prerequisite: AM232. Offered winter term.

AM242 7 credits
Automatic Transmissions and Transaxles
Covers theory of operation, diagnosis, maintenance, and
repair of automotive automatic transmissions and transaxles. Prerequisite: AM141. Offered winter term.

**AM252 4 credits**
**Advanced Diagnostic Lab**
Applies basic electronic theories and concepts to advanced diagnosis and repair of modern microprocessor-controlled automobile systems. A review of basic electrical fundamentals moves rapidly into more advanced electronic devices and circuits. This course can be modified day-to-day in order to review prior course content. Offered for second year students in their final term. Prerequisites: AM111, AM232, and AM233 or instructor approval. Offered spring term.

**AM270 5 credits**
**Air Conditioning for Automotive Technicians**
Covers vehicle automotive air conditioning systems theory and operation. Uses industry identified skills for diagnosis, repair, and servicing of R12 and R134A systems. Also covers government regulations in the safe handling of refrigerants. Prerequisites: AM111 and AM120 or approval of advisor. Offered summer term.

**AM280 Variable credit**
**Cooperative Work Experience/Automotive**
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisites: Students must be automotive majors and have the approval of the CWE advisor.

**AM290 4 credits**
**Automotive Repair Lab II**
Continues building skills, knowledge, and work habits related to all types of automotive repair work performed in the industry. Course is for second-year students or can be taken in place of cooperative work experience. Prerequisite: AM190 or completion of 3 credits of AM280. Offered spring term.

### BIOLOGY

#### Lower Division Transfer Courses

**BI101 4 credits**
**Introduction to Biology I w/Lab**
Provides an overview of important principles, concepts and topics in biology. Designed for non-majors or those interested in learning more about biology. Science majors and pre-allied health professionals should take the 200-level biology series. Topics covered include atoms and molecules, basic chemistry, cell structure and function, cell respiration, cell division, photosynthesis, DNA, structure, protein synthesis, and basic genetics. Prerequisites: MTH60 and RD30 or designated placement test scores.

**BI102 4 credits**
**Introduction to Biology II w/Lab**
Provides an overview of basic animal anatomy and physiology with a special interest to humans. Designed for non-majors or those interested in learning more about biology. Science majors and pre-allied health professionals should take the 200-level biology series. Topics and systems covered include homeostasis, hormones, digestive system, circulation, lymphatic system, circulatory system, immunity; nervous system, urinary system, and reproduction. Prerequisite: BI101 recommended. Offered winter term.

**BI103 4 credits**
**Introduction to Biology III w/Lab**
Provides an overview of plants, microbes, fungi and ecology. Designed for non-majors or those interested in learning more about biology. Science majors and pre-allied health professionals should take the 200-level biology series. Topics covered include basic evolution, classification, microbes, fungi; plant structure and function, planet diversity, populations, communities, and human impact on the environment. Prerequisite: BI101 recommended. Offered spring term.

**BI121 4 credits**
**Elementary Anatomy and Physiology I w/Lab**
Covers basic anatomy and physiology for Massage Therapy and Practical Nursing programs. Includes cell organization, basic chemistry, cell structure and function, tissues, integumentary system, skeletal system, nervous system, and reproductive system. Dissection required. Students must enroll in lecture and laboratory sections. Prerequisites: RD30 or designated placement test scores; MO100 and CHEM104 highly recommended. Offered fall and summer terms.

**BI122 4 credits**
**Elementary Anatomy and Physiology II w/Lab**
Covers essential anatomy and physiology of the following body systems: cardiovascular, endocrine, immune, respiratory, digestive, and urinary-electrolytes and reproductive. Dissection required. Students must enroll in lecture and laboratory sections. Prerequisites: BI121; AH100 and CHEM104 highly recommended. Offered fall and winter terms.

**BI199 Variable credit**
**Special Studies: Biology**
Provides instruction in a variety of science disciplines, often in a workshop or seminar setting.

**BI211 4 credits**
**General Biology I w/Lab**
Designed primarily for pre-professional students majors in the biological sciences, science education, and related allied health fields. Covers the basic principles of Darwinian evolution, evolution of populations and speciation; describes the structure, function and impact of viruses and bacteria; and provides an overview of the protist and animal kingdoms with emphasis on the major characteristics and importance of organisms in the taxon of each kingdom. Prerequisite: BI211. Offered winter term.

**BI212 4 credits**
**General Biology II w/Lab**
Designed primarily for pre-professional students majors in the biological sciences, science education, and related allied health fields. Covers the basic principles of Darwinian evolution, evolution of populations and speciation; describes the structure, function and impact of viruses and bacteria; and provides an overview of the protist and animal kingdoms with emphasis on the major characteristics and importance of organisms in the taxon of each kingdom. Prerequisite: BI211. Offered winter term.

**BI213 4 credits**
**General Biology III w/Lab**
The first term of a three-term sequence. This course benefits students entering health professions, physical education and pre-professional medical or veterinary degrees. Emphasis is placed on the structure, function and regulatory mechanisms of the tissues, skin, skeleton, muscles and neurons. Includes a laboratory component that requires dissection. Prerequisites: BI115 or WR115 or designated placement test scores and BI211 or approved allied health biology course; CHEM104 highly recommended.

**BI223 4 credits**
**Anatomy and Physiology I w/Lab**
The second term of a three-term sequence. This course benefits students entering health professions, physical education and pre-professional medical or veterinary degrees. Emphasis is placed on the structure, function and regulatory mechanisms of the nervous, endocrine, special sense and circulatory systems. Includes a laboratory component that requires dissection. Prerequisites: BI231; CHEM104 highly recommended.

**BI233 4 credits**
**Anatomy and Physiology II w/Lab**
The third term of a three-term sequence. This course benefits students entering health professions, physical education and pre-professional medical or veterinary degrees. Emphasis is placed on the structure, function and regulatory mechanisms of the nervous, endocrine, special sense and circulatory systems. Includes a laboratory component that requires dissection. Prerequisites: BI231 or BI232; CHEM104 highly recommended.

**BI234 4 credits**
**Microbiology w/Lab**
Studies living microorganisms, particularly bacteria and viruses. May also emphasize molds, yeast, and protozoa. Students must enroll in lecture and laboratory sections. Prerequisite: BI211 or approved allied health biology course; CHEM104 highly recommended. Offered fall, winter and spring terms.
**BUSINESS ADMINISTRATION**

**Lower Division Transfer Courses**

**BA101 4 credits**

*Introduction to Business*

Introduces the history of business and economic systems in America. Covers the structure of business organizations by taking students through each of the functional areas of business: management, marketing, finance and accounting. The purpose of the class is to familiarize students with basic business concepts and principles and concepts through the use of terminology and examples. Students will also become familiar with the major sections of a basic business plan and the key elements found in each section. Prerequisites: RD30 or WR30 or designated placement test scores.

**BA109 2 credits**

*Ready, Set, Work: Techniques for Landing a Job*

Prepares students for employment by focusing on resume, cover letter, and application preparation; interview presentation; job search techniques; work ethic and professional image; interpersonal relationships; and business etiquette in the workplace. Students are expected to have completed most of their coursework toward a certificate or degree program before enrolling in this class. Prerequisites: BA131 or CS120 and BT113 or WR115.

**BA130 2 credits**

*Concepts in Computing I*

Covers computer terminology, how to use a computer, how the Internet works, various computer hardware and their functions, peripheral use and selection, and guidelines for purchasing computer equipment. Additionally, email, Internet, basic Windows operating systems fundamentals, and file management skills will be covered using a library of self-paced modules available in Blackboard, the college's online course management system. This class is intended for business majors and is a prerequisite for BA131. When combined with BA131, class meets the college computer proficiency requirement. It is dual numbered with CS120 lecture. Prerequisites: CS60, MTH20, RD30, and WR30 or designated placement test scores.

**BA131 4 credits**

*Introduction to Business Computing*

Covers basic computer applications for business. Students will gain hands-on experience with Microsoft Office 2016 applications using file management, word processing, spreadsheet, media presentation, and desktop information management software to create a variety of business documents, spreadsheets, and PowerPoint slide shows. Students must have access to the following Microsoft applications: Word 2016, Excel 2016, and PowerPoint 2016. Prerequisites: BA130 (or passing of proficiency test).

**BA177 3 credits**

*Payroll and Tax Procedures*

Emphasizes understanding of the federal and state payroll laws and regulations, calculating earnings and deductions, preparing payroll records, understanding and preparation of federal and state payroll tax deposits and tax returns, and accounting for payroll. Prerequisites: BA131, BA211 or BT151; BA285 recommended. Offered winter and spring terms.

**BA180 Variable credit**

*Cooperative Work Experience/ Business*

Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

**BA211 4 credits**

*Financial Accounting*

Introduces financial accounting theory including the accounting cycle, analysis and recording of transactions, and reporting financial information in accordance with generally accepted accounting principles (GAAP). Includes accounting for cash, receivables, long-term assets, current and long-term liabilities, and corporation accounting. Prerequisites: BA131 and BT160 or higher level math. Offered fall, winter and summer terms.

**BA213 4 credits**

*Managerial Accounting*

Covers the preparation of the statement of cash flows and financial statement analysis, the foundations of management accounting including various types of business enterprise cost systems, analyzing cost/volume/profit relationships, management planning and budgeting, evaluating performance, and capital investment decisions. Uses spreadsheet, word processing, and general ledger software when applicable. Prerequisites: BA211 or approval of instructor. Offered fall, winter and spring terms.

**BA214 4 credits**

*Business Communications*

Focuses on planning, creating, writing, and revising typical business documents such as letters, memos, reports, and presentations using current communication technologies (word processing, spreadsheets, graphical presentations, email, and the Internet). Understanding the purpose of communication in business is also covered. Use of word processing software for in-class/online assignments and examinations is required. Prerequisites: BA131 or CS120, BT114 or WR121, Internet access and working email account; LBI127 (may be taken concurrently); CS125ww recommended. Offered fall, spring and summer terms.

**BA218 3 credits**

*Principles of Marketing*

Introductory course designed to acquaint the student with basic marketing principles, terminology, and concepts of personal financial management. Examines consumer protection, budgeting, wise spending habits, avoiding frauds/owndles, purchasing/leasing cars, home rental/purchase decisions, wise use of credit, comparison of home/health/life insurance, investing, estate planning, and other issues affecting personal financial decision making. Prerequisites: BT160, RD30, and WR30 or designated placement test scores. Offered fall, winter and summer terms.

**BA223 3 credits**

*Human Resource Management*

Builds on the information contained in BT101 and BT102. Introduces traditional, current and emerging human resource management (HRM) practices. Students will develop practical and realistic approaches to HRM by focusing on the functions of a human resources department and the responsibilities of a human resources director. Students will be able to assess HRM skills; describe current best practices in HRM; explain the process of selecting, placing and training employees; explain how diversity is managed in the workplace; prepare employee performance appraisal tools: tie compensation to performance; describe minimum health and safety measures required to protect employees; and explain how to effectively deal with labor unions. Prerequisites: BT101 or PSY101 and BT113 or WR115; BT102 and BA206 recommended. Offered winter term.

**BA224 4 credits**

*Business Law*

Presents a brief introduction to the American legal system, structure of state and federal court systems, pertinent business legislation, Uniform Commercial Code, and obligations arising from tort law. Emphasis on formation, performance, discharge, and interpretation of contracts. Third party contracts, warranties, and product liability issues are also covered. Prerequisites: BT114 or WR121.
Course is designed for students in any discipline. Includes Excel winter, spring and summer terms. on the understanding and application of hypothesis testing, and utilizes spreadsheet skills gained in BA285. Students will Applied Business Statistics mission of Business Technology CWE instructor. certificate or degree program. Prerequisites: BA109 and per- students working for an approved employer. As a capstone experience. This course offers a career-related experience for appropriate learning which is expected to result from the work programs. Together, the instructor, employer, and student fits into the marketing environment, understand who the retail sector. Prerequisites: BA101; BT114 or WR121 and RD30 or designated placement test scores; BA223 recommended. Offered fall term. Retail Management Introduces students to the field of retailing and provides an understanding of the types of businesses, strategies, operations, formats and environments through which retailing activities are carried out. Course takes a multi-disciplinary approach to consider the process and structure of retailing. Topics include planning, research, consumer behavior, store design and layout, merchandising strategy, management strategy, promotional strategy, and pricing strategy. Students will be able to discuss the overall importance of retailing and how it fits into the marketing environment, understand who the retail customer is, and apply the “four Ps” of marketing to the retail sector. Prerequisites: BA101; BT114 or WR121 and RD30 or designated placement test scores; BA223 recommended. Offered fall term. Variable credit Cooperative Work Experience/ Business Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisites: BA109 and permission of Business Technology CWE instructor.

Applied Business Statistics Builds on the basic knowledge and skills learned in MTH243 and utilizes spreadsheet skills gained in BA285. Students will use Excel extensively to solve statistical problems. Emphasis is on the understanding and application of hypothesis testing, analysis of variance (ANOVA), correlation and regression, and Chi-square techniques. Designed to provide students with analytical skills they will need in upper-division business courses including accounting, finance, operations management and applied research. Dual numbered as MTH244. Prerequisites: RD30, BA131 and MTH243; BA285 recommended. Offered winter, spring and summer terms.

Advanced Business Applications: Excel Course is designed for students in any discipline. Includes hands-on approach to develop a competency in basic and advanced concepts and commands of spreadsheet software. Students will learn to design, set up, and print a variety of spreadsheet applications. Microsoft Excel will be used to develop materials. Emphasis will be placed on using spreadsheet data for problem analysis. Dual numbered as CS125ss. Prerequisites: CS120 or BA131 and MTH65 or BT160.

Business English II Increases student proficiency in writing clear, well-developed, well-organized, articulate business messages, with emphasis on advanced grammar application, proofreading, and business research. This course teaches advanced grammar concepts, reinforcing knowledge of sentence structure, basic paragraph and essay development and organization, basic punctuation, verbal phrases, redundancies, consistency in verb tense, pronoun agreement, subject/predicate agreement, parallel structure, and advanced uses of punctuation. In addition to strengthening grammar skills, students will apply those skills to a second objective: developing proficiency in writing clear, detailed, and organized expository prose. Students will be given frequent practice in crafting a topic sentence or thesis, targeting an audience, developing a message, and persuading an audience. Additionally, students will gain research practice with APA citation format. Prerequisites: BT113; LIB127 and BA131 (may be taken concurrently); CS125ss recommended. Offered fall, winter and spring terms.

Editing and Proofreading Applies previously learned English skills to proofreading and editing business documents. Covers computer proofread- ing, spelling, abbreviation, word division, format, grammar, capitalization, punctuation, number expression errors, and proofreader’s marks. Students learn to use proofreader’s marks and are introduced to editing for content, conciseness, and clarity. Prerequisites: BT114 or WR121. Offered fall and spring terms.

Digital Marketing and e-Commerce Introduces the use of the Internet to improve business profit through e-Commerce. Includes an introduction to the World Wide Web, e-business idea, e-business planning, legal issues, Web design, security issues, evaluation of the e-business optical product, e-marketing, payment options, using the Internet for alternative sources of supply, competitive intelligence, setting up a mall storefront, e-customer service, and creating the virtual storefront. Applies the “four Ps” of marketing to online and/or existing “bricks and mortar” businesses, while determining strategies on how to best use the Internet to improve customer relations. A special focus will be given to search engine optimization. Prerequisites: BT113 or WR115 and BA311 or CS120. Offered winter term.

Practical Accounting I Introduces fundamental principles of full cycle, double-entry accounting with general and special journals, working papers, and financial statements for a sole proprietorship service business utilizing Excel templates for homework assignments. Through the use of examples, terminology, problems, and a comprehensive practice set for a service company, students will apply accounting principles using accounting software. Prerequisites: BA131 or CS120 and BT160 or higher level math; BA285 (may be taken concurrently). Offered fall, winter and spring terms.
BT161 4 credits
Practical Accounting II
Continues BT151 with emphasis on the development of a formal business plan for a service company. Course culminates with the completion of a student-written, formal business plan. Prerequisites: BA101, BT114 or WR121, and BT151 or BA211. Offered summer term.

BT171 4 credits
Practical Accounting III
Continues the study of accounting with emphasis on cost accounting techniques, budget preparation, and analysis and interpretation of financial statements including cash flows. Introduces the concepts of segmentation accounting and departmental reporting. Homework assignments are completed on Excel templates. Students will prepare a computerized practice set. Prerequisites: BT151 or BA211. Offered spring and summer terms.

BT178 3 credits
Customer Service
Introduces students to the concepts of exceptional customer service (from the top down) in order to attract and retain customers and maximize profits. Customer loyalty, principles of quality customer service, service recovery, attitudes and habits that affect service, dealing with difficult customers, active listening to determine customer needs, effective communication, communication with a diverse customer population, hiring/motivating, and training service people, performance-enhancing feedback, and measurement of service performance will be covered. Useful for employees in all professions that deal with serving customers. Prerequisites: BT101 or PSY101, BA131 or CS120, and BT113 or WR115; RD30 or designated placement test scores. Offered fall, spring, and summer terms.

BT250 3 credits
Entrepreneurship
Acquaints students with the principles, terminology, and practical concepts related to the field of small business and entrepreneurship. Students will be able to describe the entrepreneur's mind-set, define the characteristics of successful entrepreneurs and debunk common myths about them, and identify sources of successful business ideas. Students will also be able to differentiate among various small business entry strategies, assess marketing techniques used by entrepreneurs, compare/contrast sources of financing, and analyze the advantages and disadvantages of franchising as a means of starting a business. The culminating project in this class is an interview with a local entrepreneur and a formal, written summary of that interview. Prerequisites: BT114 or WR121 and RD30. Offered spring term.

CG90 0 credits
Student Assistants’ Training
Provides training in communication skills and referral techniques for locating college and community-based resources/services. Students serve as resource personnel to assist and refer other students with personal, social, or academic concerns. Course does not transfer.

CG100 1-3 credits
College Success and Survival
Introduces students to aspects of academic success centering on strategies for discipline-specific and delivery-specific study habits, Web-based resources, and tools. This class also focuses on achieving positive outcomes in the academic environment by using the frameworks of teaching and learning style interactions, college systems understanding, positive behavior, and communication skills, and helps students make personal and social adjustments for college success. Focuses on college terms and information; class choice, degree requirements, use of library, and student services; balancing work, school and home demands; financial planning; forming study partnerships; and stress and time management. Prerequisites: RD30 and WR30 or designated placement test scores.

CG105 1 credit
Finding the Money: Scholarship Essay Writing
Provides an opportunity for students to learn the components of an effective scholarship essay; develop their own personal scholarship essay from initial draft to final essay format; explore resources for funding college education; and learn strategies for effective research via the Internet. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall, winter, and spring terms.

CG111 1 credit
Study Skills for College Learning: Math Success
Provides students information, techniques, strategies, and skills helpful in becoming more efficient in time management, studying, listening, note taking, exams, and stress reduction; addresses basic principles of psychology of learning and assists in creating positive tools towards successful math completion. Prerequisites: RD30 and WR30 or designated placement test scores, and concurrent enrollment in a math class.

CG114 1 credit
Financial Survival for College Students
Provides students with general information and strategies on how to make fiscally wise choices for their education and future. Prerequisites: RD30 and WR30 or equivalent placement test scores. Offered fall term.

CG140 3 credits
Career Development
Provides tools needed to make an informed career decision and set educational goals. The course includes self-assessment tools, career exploration options, guest speakers, and field trips. Use of the RCC website and Career Pathways roadmaps is included. Prerequisites: RD30 and WR30 or designated placement test scores. Offered winter term.

CG144 1 credit
Introduction to Assertiveness Training
Examines assertiveness and its relationship to personality development. Focuses on responsible assertive behavior in everyday life, emphasizing communication that respects self and others. Prerequisites: RD30 and WR30 or designated placement test scores. Offered winter and spring terms.

CG145 3 credits
Stress Management for Veterans
Assists both post-deployed and veteran students in making a positive transition from military to civilian life, or from deployment to post-deployment life, and is designed for combat veterans of any era. Students will learn strategies to assist in healthy stress management promoting greater success in academia, at work, in relationships, and in other social settings. Students learn strategies to more effectively manage stress (emotional, psychological, combat, physiological, and social, including Post-Traumatic Stress Disorder). In addition, students will develop college and career goals resulting in a healthy transition plan. Prerequisite: WR30 or designated placement test score. Offered infrequently.

CG147 1 credit
Decision Making
Develops an awareness of decision-making styles and encourages the practice of different decision-making styles to make effective educational and career choices. Prerequisites: RD30 and WR30 or designated placement test scores.

CG150 3 credits
Exploring Careers in Science and Technology
Explores living wage careers in science, technology, engineering and math (STEM). Students examine the changing roles of men and women in the workplace, and explore and perform trades and technical skills. Prerequisites: RD30 and WR30 or designated placement test scores. Offered infrequently.

CG155 3 credits
Exploring Careers in Health Care
Introduces students to a comprehensive range of health care professions. Students will explore career choices including educational requirements, job outlooks, occupational requirements, wage ranges and professional requirements. In addition, students will complete self-assessments using the Holland Code Quiz. The RCC Career Pathway and Health Careers Today will help determine which health careers are a good match for their interests and skills. This is a hybrid course that requires work in class and online. Prerequisites: RD30 or designated placement test score; BT113 or WR115 (may be taken concurrently); ability to use the Internet, email, and the Rogue Online course management system is also required.

CG199 1 credit
Special Studies: Sexual Awareness
Allows students to explore societal trends, communication barriers, how the sexes portray each other, relationship conflicts, assertiveness, how our beliefs begin, what our responsibility is to ourselves and each other, and the benefits of healthy interactions. Prerequisites: RD30 and WR30 or equivalent placement test scores. Offered fall term.

CG213 3 credits
Improving Parent-Child Relationships
Presents a coherent approach to positive parenting and is flexibly designed to meet parents’ varying needs and schedules. Specific parent-child interactions are analyzed and practical steps for effective interaction are identified. Prerequisites: RD30 and BT113 or WR115; CS120 highly recommended. Ability to use the Internet, email, and the Rogue Online course management system is also required.
Course management system is also required. Offered winter term.

**CHEMISTRY**

**Lower Division Transfer Courses**

**CHEM104 5 credits**

*Introductory Chemistry I w/Lab and Recitation*

Designed for allied health or non-science majors and those who do not intend to be chemists or biologists. Introduces the essence of atoms and molecules, chemical bonds, chemical reactions, gases, acids, and bases. Prepares students for work in a laboratory that uses chemicals. Also helps students understand how cells and organisms function. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: MTH65 and RD30 or designated placement test scores.

**CHEM105 5 credits**

*Introductory Chemistry II w/Lab and Recitation*

Designed for allied health or non-science majors and those who do not intend to be chemists or biologists. Introduces the essence of nuclear chemistry and organic chemistry. Prepares students for work in a laboratory that uses chemicals. Also helps students understand how cells and organisms function. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: CHEM104. Offered winter term.

**CHEM106 5 credits**

*Introductory Chemistry III w/Lab and Recitation*

Designed for allied health or non-science majors and those who do not intend to be chemists or biologists. Introduces the essence of biochemistry. Builds on information gained in CHEM105 and helps students understand the role of biochemistry in the function of cells and the human body. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: CHEM105. Offered spring term.

**CHEM221 5 credits**

*General Chemistry I w/Lab and Recitation*

Presents chemistry to pre-professional students interested in science careers (chemistry, geology, physics, biology), engineering, medicine, and veterinary medicine. Introduces the concepts of atomic chemistry, chemical equations, stoichiometry, the gas laws, thermochemistry, the periodic table, and chemical bonding. An introduction to the chemical laboratory is presented. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: CHEM105. Offered spring term.

**CHEM222 5 credits**

*General Chemistry II w/Lab and Recitation*

Continues topics presented in CHEM221. Exposes students to the liquid and solid states of matter, solution properties, kinetics, equilibrium, acids and bases, and chemical solubility. More complex instruments and tools found in chemical laboratories are introduced and used in the lab. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: CHEM221. Corequisite: MTH111. Offered winter term.

**CHEM223 5 credits**

*General Chemistry III w/Lab and Recitation*

Completes general chemistry sequence. Presents a deeper view of thermochemistry, electrochemistry, nuclear chemistry, descriptive chemistry of the periodic table, the transition metals, and introduces organic chemistry and biochemistry. Students must enroll in lecture, laboratory, and recitation sections. Students are directed in the use of laboratory instrumentation to complete projects through the term in addition to structured laboratory exercises. Prerequisite: CHEM222. Corequisite: MTH112. Offered spring term.

**CHEM280 Variable credit**

*Cooperative Work Experience/Chemistry*

Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their program. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, students should complete this course within the last two terms of their certificate or degree. Prerequisite: permission of instructor.

**COMM299 1-4 credits**

*Special Studies in Communication*

Covers a specialized area of communication in a given area of communication such as interpersonal, mass media, or organizational communication. Prerequisites: WR121 or BT114 (may be taken concurrently).

**COMPUTER SCIENCE**

**Lower Division Transfer Courses (except where noted)**

**CS60 2 credits**

*PC Basics I*

Designed for students with little or no previous experience with computers. Introduces basic computer fundamentals through lecture, demonstrations and hands-on experience with a personal computer. This course will cover basic hardware terminology, popular Internet technologies, email, online course skills, basic file management operations, word processing and spreadsheets, and may include other applications. Additionally, introduces students to basic computer concepts and terms and the practical applications of microcomputers in life. Course is graded on a pass/no pass basis. Course does not transfer.

**CS120 4 credits**

*Concepts in Computing I*

Covers computer terminology, understanding how key components function, the guidelines for purchasing computer equipment or software, how the Internet works, system utilities and strategies that can help protect online users. The role of the operating system and how files are stored and organized will also be covered. In the lab portion of the course, students will learn how to use word processing, spreadsheet, and presentation software. Additionally, e-mail, Internet, basic Windows operating systems fundamentals and file management skills will be covered. Prerequisites: MTH120, RD30, and WR30 or designated placement test scores; CS60 as needed.

**CS125D 3 credits**

*Digital 3D Graphics I*

Introduces the principles of developing basic three-dimensional graphic imagery and animations. Students will develop competence in using Blender to create three-dimensional graphics, and study the history of 3D achievements in film, animation, fine arts, and the growing additive manufacturing industry. Topics include various techniques for modeling objects, applying materials and textures, and adding lights and cameras to 3D scenes for accurate rendering. Students will also use a 3D printer to create real objects. Prerequisite: CS120 or documented proficiency; GD150 and GD160 recommended. Offered infrequently.
CS125DB 3 credits
Data Base Management Systems
Covers data base commands and operations. Relational table design, data base terminology, formation of queries, design of relevant forms and reports, and basic macro use are explored using Microsoft Access. Prerequisites: CS120 or BA131 or documented proficiency and MTH60 or BT160. Offered fall, winter and spring terms.

CS125DP 3 credits
Digital Photography
Offers instruction in the use of a SLR digital camera and fundamentals of digital photography. Topics include image composition; digital camera techniques in various formats including raw, GIF, JPEG, and PNG; digital processing using Adobe Photoshop; and digital printing. Students will learn how to manually operate a digital camera, taking control of aperture settings, shutter speeds, and ISO controls. Does not fulfill degree or certificate requirements for computer proficiency. Prerequisites: CS120 or permission of instructor; ART115 and GD160 recommended. Offered fall, winter and spring terms.

CS125DV 3 credits
Introduction to Digital Video
Using a hands-on approach, students will design rich media Web content containing interactivity, animation and sound. Students gain an understanding of the Flash Actionscript 3.0 language, logic and syntax, and they gain additional knowledge of designer/developer resources for continued self-paced learning. Includes the Flash drawing and animation tools, principles of classic animation, creating Flash movies, importing graphic and video elements, working with sound, designing interactivity, combining Flash with HTML, and publishing a Flash website. Prerequisite: CS120 or higher. Offered winter term.

CS125DW 3 credits
Dreamweaver I
Introduces use of Adobe Dreamweaver for creation of websites and pages. Topics include fundamentals of Web authoring, understanding the Dreamweaver user interface, site management, working with HTML/XHTML tags, using and manipulating data tables, working with images, linking and navigation, using cascading style sheets for page presentation, and troubleshooting and testing. Prerequisite: CS120 or equivalent computing experience. Offered fall, spring and summer terms.

CS125F 3 credits
Introduction to Flash
Using a hands-on approach, students will design rich media Web content containing interactivity, animation and sound. Students gain an understanding of Flash's logic, concepts and language, and they gain additional knowledge of designer/developer resources for continued self-paced learning. Includes rich media; the Flash drawing tools; creating Flash movies; importing graphic and video elements; working with sound; designing interactivity; combining Flash with HTML; and publishing a Flash website. Prerequisite: CS120 or equivalent computing experience. Offered fall, spring and summer terms.

CS125PT 2 credits
Effective Presentations
Includes a hands-on approach to develop competency in basic and advanced concepts and commands of effective presentations. Students will also learn techniques for developing and creating presentations that engage the audience, illustrate ideas, and use media effectively. Software used to develop presentations in the course is Microsoft PowerPoint. The course does not fulfill degree or certificate requirements for computer proficiency. Prerequisite: CS120 or documented proficiency and WR115. Offered fall, spring and summer terms.

CS125R 3 credits
Database Report Generation (Crystal Reports)
Provides a hands-on approach to developing competency in basic and advanced database report generation using Crystal Reports. Students will learn how to connect to a variety of data sources, add data objects, and structure and format data in reports. Adding charts and maps to reports and creating cross-tab reports are also covered. Prerequisites: CS125d and MTH65. Offered spring term.

CS125SS 4 credits
Spreadsheet Applications
Includes hands-on approach to developing competency in basic and advanced concepts and commands of spreadsheet software. Students will learn to design, set up, and print a variety of spreadsheet applications. Microsoft Excel will be used to develop materials. Emphasis is placed on using spreadsheet data for problems analysis. Course is designed for students in any discipline. Dual numbered as BA285. Prerequisites: CS120 or BA131 and MTH65 or BT160. Offered fall, winter and spring terms.

CS125V 1 credit
Visio
Introduces diagramming software using Microsoft Visio Professional. Applications and projects are designed for both business and technical professional skill development. Students learn to develop any of the following: flow charts, organizational charts, office layouts, website diagrams, network diagrams, and building and electrical plans. Course projects will be flexible, and students will select from topics appropriate to their areas of study. Course does not fulfill degree or certificate requirements for computer proficiency. Prerequisite: CS120 or documented proficiency. Offered winter term.

CS125WW 3 credits
Word Processing Applications
Provides training in Microsoft Word 2013 software. Covers use of basic input, editing, and formatting functions. Other topics include formatting pages, headers, footers, columns, advanced character formatting, tables, charts, merged correspondence, managing shared documents, graphics, references, specialized tables and forms. Prerequisites: CS120 or BA131. Offered fall, spring and summer terms.

CS133B 4 credits
Visual Basic 1
Introduces students with minimal mathematics background to coding and problem solving using the Visual Basic Net programming language. Topics include type and scope of variables, control structures, and good program design. Prerequisites: CS120 or documented proficiency and MTH65 or higher level math. Offered fall term.

CS133CF# 4 credits
Programming Fundamentals Using C#
Covers computer concepts and problem solving methods in the Windows environment using C# programming language. Topics include algorithms, simple data types, condition and iterative structures, functions and procedures, and the program documentation. Prerequisites: CS120 or documented proficiency and MTH65 or higher level math. Offered in Winter term.

CS133JS 4 credits
JavaScript I
Introduces beginning JavaScript for computer science majors and/or students wanting to explore client-side programming techniques and concepts. Covers Document Object Model (DOM) and simple techniques for adding dynamic content to Web pages. Prerequisite: CS195 and MTH65.

CS133U 4 credits
Introduction to C++ Programming
Introduces the science of programming and problem solving. Emphasis is on a disciplined approach to algorithm development and problem-solving methods using the programming language C++. Covers basic programming constructs, syntax, semantics, and logic of the C++ programming language. Topics include algorithms, simple data types, conditional and iterative structures, function definition, structured programming and documentation. Prerequisite: MTH95 or higher or permission of instructor. Offered fall and winter terms.

CS135D 3 credits
Digital 3D Graphics II
Provides competency in advanced concepts of design and development of complex three-dimensional graphic images, animations, and special effects using the Maya application. Topics include modeling objects, generating surfaces, and working with textures, cameras, and lighting. Prerequisite: CS125d.

CS135DV 3 credits
Advanced Digital Video
Introduces digital video production planning, acquisition, comprehension, editing and distribution, and covers special effects and compositing techniques. Also includes potential uses of digital video in related computer applications, and a hands-on component using Adobe software to edit and composite a variety of digital video animation projects. Prerequisite: CS125v.

CS135IA 3 credits
Interactive Animation
Introduces animation and object-oriented programming concepts and techniques. Includes tools used by the creative industry for animation productions and interactive media. Topics covered include representing form and transforms in two dimensions, capturing user actions and driving application behavior interactively. Prerequisites: CS195 and MTH95.

CS140 4 credits
Introduction to Operating Systems
Develops competency in basic and advanced concepts and commands of the three industry standard operating systems. Emphasis is placed on installation and conductivity of the operating systems. Topics include the comparison of various operating systems (Windows, Linux, and Apple), input/output control, introduction to the command line, software and operating systems installation, customization, and windowing environments. Designed for students in any discipline. Prerequisites: CS120 or documented computer proficiency.

CS160 4 credits
Introduction to Computer Science
Explores the disciplines and professions of computer science and software engineering. Provides an overview of computer hardware and software architecture, the study of algorithms, software design and development, data representation and organization, problem-solving strategies, ethics in the digital world, and the history of computing and its influences on
society. Explores career options and begins the process of planning a program of study. Exposes students to both low-level and high-level programming languages. Prerequisites: CS120 or documented proficiency and MTH65 or designated placement test scores. CS140 recommended. Offer fall and spring terms.

CS161 4 credits
Computer Science I
Presents the science of programming and problem solving using an object-oriented programming language (Java). Covers basic programming constructs, syntax, semantics, and logic of the Java programming language. The course provides an introduction to object-oriented concepts such as encapsulation, inheritance, and polymorphism. Simple UML class diagrams will be introduced and used as a tool for object-oriented design. Prerequisites: Any CS153 course or CS160; MTH111 or higher. Offered winter term.

CS162 4 credits
Computer Science II
Continues CS161, covering advanced programming techniques using Java. Topics include graphical user interface programming, advanced event handling, exception handling, streams, and basic file I/O. Advanced data structures and algorithms such as lists and maps are also covered. Object-oriented algorithms and design methods are emphasized. Prerequisite: CS161. Offered spring term.

CS179 4 credits
Introduction to Networks
Serves as a general introduction for students who need a foundation in current networking technology and a general overview of computer networks and concepts. Network topics include design essentials, media, interface cards, communications and protocols, architectures, operations, local area networks (LANs) and wide area networks (WANS), troubleshooting, and resources. Prerequisite: CS120 or documented computer proficiency. Offered fall, winter and spring terms.

CS195 4 credits
Web Authoring I (HTML/CSS)
Introduces students to Web page and website development, moving on to working with cascading style sheets. Students will learn HTML and CSS for creating special effects and styling. Students will create HTML forms and tables, and will learn how to embed multimedia including the use of audio and video elements. Prerequisites: CS120 and MTH60; WR115 (may be taken concurrently). Offered fall, winter and summer terms.

CS196 4 credits
Web Authoring II (HTML/CSS)
Follows CS195 and introduces students to advanced concepts of website design and creation using HTML and CSS. Students will develop Web pages and websites and work with cascading style sheets (CSS). The course will include instruction on building a website using techniques of graceful degradation and progressive enhancement. Includes instruction on guidelines for content, style, structure, and accessibility. New structural elements are covered including the Canvas element, validation, HTML forms, audio, video, CSS3, geo-location, rich Internet applications, local storage, and multi-screen media queries. Prerequisite: CS195. Offered fall term.

CS199 Variable credit
Special Studies: Computer Science
Includes study in selected topics in the area of computer applications. Topics may include object-oriented programming, Windows programming, external sorting methods, advanced graphs, etc. Permission of instructor is required to enroll.

CS199MA 4 credits
Special Studies: Introduction to Building Mobile Applications
Introduces the student to mobile application development and is intended for non-programmers who may be interested in designing and creating simple applications for smartphones and personal computers. Methods of working with built-in capabilities of the hardware will be covered as well as beginning programming concepts. Additional topics to be explored may include communication, location awareness, social networking, and Web-based data collections. Does not fulfill degree or certificate requirements for computer proficiency. Prerequisites: CS120 and MTH60.

CS225 4 credits
Computer End-user Support I
Prepares students for training and supporting end-users in a variety of organizational settings. Topics to be discussed include the end-user support function in an organization, techniques for developing and delivering training modules, and techniques for providing ongoing technical support to end-users. Emphasis is on solving problems with users (debugging, troubleshooting, and interaction with users) with actual and/or simulated functions of a computer support office being learned and/or implemented. Prerequisites: CS140, CS179 and WR115; WR121 recommended. Offered winter term.

CS227 5 credits
PC Hardware Fundamentals and Repair
Provides students with theory and hands-on exploration towards the maintenance and repair of personal computers. Students will become familiar with the necessary tools and equipment involved in computer servicing and the specifics of hardware upgrades. Provides students with the competencies needed to pass the hardware segment of the A+ Certification exam. Topics include troubleshooting, upgrading, IRAQ/Memory conflicts, safety, Electrostatic Discharge (ESD), fundamental electronics measurement, and proper documentation techniques. Prerequisites: CS140 and MTH60 or MTH63 or permission of instructor. Offered fall, winter and spring terms.

CS227N 4 credits
Network Hardware Fundamentals
In-depth coverage of network hardware theories, hardware selection and project planning. Students will design, implement, test, and troubleshoot network hardware devices to include routers, switches, and wireless access points. Prerequisites: CS140 and CS179.

CS233B 4 credits
Visual Basic II
Studies advanced concepts of programming and principles involved in the Visual Basic Net language. Includes file I/O and data base connectivity and processing. Designed for computer science majors and/or students wanting to explore advanced programming techniques and concepts. Prerequisite: CS133B.

CS233JS 4 credits
JavaScript II
Continues CS133JS. Designed for computer science majors and/or students wanting to explore more advanced techniques of client-side programming. Covers string manipulation, regular expressions, windows and frames scripting, forms processing and validation, dynamic HTML, cookies, and custom objects. Prerequisite: CS133JS.

CS233R 4 credits
Ruby on Rails Programming
Describes how to write database-backed Web applications using the Ruby on Rails (also pronounced RoR, or Rails) Framework. Students are taken through the various steps of creating a full-fledged Web application. Topics include the MVC paradigm, object relational mapping, fill-in forms, sessions, validation techniques, testing, and various other Rails topics. Prerequisite: CS296. Offered spring term.

CS233U 4 credits
Advanced C++ Programming
Solves complex problems using advanced features of the C++ language. Topics include function usage, pointer data type, dynamic memory allocation, string manipulation, and structure and union data types. Emphasis is on structured program design techniques. Prerequisite: CS133u and MTH95 or higher, or permission of instructor. Offered spring term.

CS235 3 credits
Word Press/Content Management Systems (CMS)
Covers the principles and technologies of Web 2.0 using tools based on user-centered design such as social networking, blogs, RSS feeds, wikis, photo archiving, podcasting, and web applications. Online digital storage and privacy issues will also be addressed. Students will use and manage a variety of commonly used tools including Facebook, Twitter, YouTube and WordPress and learn how these tools are used with website marketing and e-commerce business designs. Prerequisite: CS120 or documented proficiency. Offered fall term.

CS235W 4 credits
Website Design I
Provides students with a foundation in Web-user interface design, including usability, navigation, visualization, functionality (site maps, FAQs), and site accessibility. Students will use HTML and CSS to create websites that incorporate these concepts while maintaining visual appeal. Also introduces students to the core principles and methodologies of information architecture including content assessment and organization, defining organizational structures, and developing interactive website prototypes. Prerequisite: CS195. Offered spring term.

CS240 4 credits
Advanced Operating Systems
Covers the advanced functions of the Windows operating as a client operating system on a corporate network. Coverage includes operating system customization, performance and maintenance of an operating system, working with group policy, using the command line to troubleshoot, user and group design and implementation, configure an operating system, working with user and file security, PowerShell, VBScripting, and networking functions. Prerequisite: CS140. Offered spring term.

CS240L 4 credits
Advanced Operating Systems - Linux
Includes operating system installation, commands, command processor functions, input/output control, software installation, resource management, user management, customization, windowing environments, and security using a current version of the Linux operating system. Also introduces students to basic programming languages. Prerequisite: CS140. Offered winter term.

CS245WD 3 credits
Web Developer Portfolio and Professional Practices
Discusses opportunities in the various fields of Web development and teaches students how to establish a professional presence in the marketplace as a Web developer. Students learn about the use of social media and its role in continuing education including the use of Twitter and following, LinkedIn and profiles, companies and groups, Facebook and connectioness, groups and announcements, Git and GitHub and Repos, and
Code-sharing. How to search for jobs is included as well as connection strategies, interview and phone call tips and techniques, and job offer negotiations. Finally, students will learn how to find and secure consulting contracts with instruction on how to bid using model contracts. Prerequisite: CS296. Offered spring term.

CS247 3 credits
Web Analytics and Search Engine Optimization
Explores Web analytic tools to measure site traffic, data use, and discover design flaws. Web log analysis, user tracking (cookies), metering methods, clickstream, geolocation/geomarketing, and keyword search will be used to determine site performance. Through search engine optimization (SEO), students will learn how to increase site traffic and improve search engine positioning. Analytics and HTML software will be used. Prerequisite: CS195. Offered winter term.

CS260 4 credits
Data Structures I
Studies the merge of abstract data types and the algorithms which manipulate them. Topics include the study of elementary searching and sorting algorithms and hashing, and object-oriented implementation strategies for stacks, lists, queues, trees and hash tables. For each data structure examined, common and useful algorithms that utilize such structures will be studied. Course also covers an introduction and application of complexity analysis: asymptotic analysis of upper and average complexity bounds, O(), Θ() and Ω() notation, as well as a general introduction to resource consumption, including the tradeoff between time and space. Prerequisite: CS162 and MTH111; MTH251 (may be taken concurrently).

CS275 4 credits
Data Base Development I
Provides students with an introduction to the concepts, skills, and tools involved in relational data base design, implementation, and testing. Students will be introduced to and use structured query language (SQL) for creating a client/server data base and data manipulation. Covers relational data base concepts, data anomalies, and data normalization. Entity-Relationship diagrams will be covered and used as a tool for designing a data base system. CS275 enhances and supplements the programming or networking student’s analysis, design, and problem solving skills. Prerequisites: CS125db. Offered spring term.

CS279 4 credits
Network Operating Systems
Covers concepts related to network operating systems – specifically Windows Server. Topics include server hardware, user and group management, network file management, group policy, network printing, server maintenance, Domain Naming Services (DNS), Dynamic Host Configuration Protocol (DHCP), and system backup and restore. Prerequisites: CS140 and CS179. Offered spring term.

CS280 Variable credit
Cooperative Work Experience/Computer Science
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

CS288 4 credits
Network Operating Systems II (Active Directory)
Prepares students to develop the skills needed to manage a Windows Server 2008 system. While the focus of topics is on the configuration of Active Directory and related services, coverage of Windows foundational topics such as the file system and networking are also included. Students will be immersed in an introduction to Windows Server 2008 and goes on to active directory design, account management, group policy management and configuration, certificate services, AD LDS, AD RMS, AD FS, server core, Windows Hyper-V virtualization, and server management. Prerequisites: CS140 and CS179.

CS295 4 credits
Web Development I
Introduces students to server-side programming for the web using PHP. Programming will include procedural as well as object-oriented programming concepts. The course will cover functions and control structures, manipulating strings, handling user input, working with files and directories, and manipulating arrays. Students will also be introduced to MySQL in order to create and use relational databases and in creating CRUD functionality with PHP. Prerequisites: CS195; CS196 (must be taken concurrently). Offered fall term.

CS296 4 credits
Web Development II
Continues CS295, covering advanced Web development techniques. Topics include advanced topics in dynamic Web page development, advanced Web server configuration, and the continuation of PHP. Students learn about manipulating arrays, declaring and initializing associative arrays, working with databases and MySQL, and how to manipulate databases with PHP. Students will also learn how to use object-oriented PHP and how to manage state information including the understanding of hidden forms, cookies, sessions, and query strings. Prerequisite: CS295. Offered winter term.

CS296T 4 credits
Team-based Web Development
Covers advanced team-based Web development techniques. Topics include advanced topics in dynamic, cloud-based Web development, advanced Web server configuration, and the continuation of PHP functionality. Students learn how to use a GIT repository in a team environment for version control and update management. Students will use various integrated development environments in order to understand how teams of Web developers work together efficiently, and about the concept of a “Model View Controller” framework with an introduction to some of the more popular frameworks in use today. Prerequisite: CS295 and CS296. Offered spring term.

CS297WD 3 credits
Web Developer Studio/Capstone Project
Explores development of Web applications utilizing the Web development skills learned in CS295, CS196, CS295, CS297, CS294/WD, and CS135J. This final team capstone project will demonstrate team-based skills in developing a substantial and fully dynamic Web site for the community with a relational database system backend. The final project will incorporate current back and front end technologies including an MVC framework, a cloud-based IDE GIT version control, GitHub code sharing, and Agile methodologies for project management. Additional lab hours required. Prerequisite: CS296. Offered spring term.

CS299 Variable credit
Special Studies: Computer Science
Focuses on student-selected topics in computer science. A real-life project is required. Permission of instructor is required to enroll in this course.

CREDIT FOR PRIOR LEARNING

Career and Technical Course

CPL120 3 credits
Credit for Prior Learning
Assists students in developing portfolios to be used in applying for credit for prior learning. Focuses on identifying career and educational goals and documenting college-level prior learning. Prerequisites: RD30 and BT115 or WR115 or designated placement test scores.

CRIMINAL JUSTICE

Lower Division Transfer Courses (except where noted)

CJ91 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 1: Orientation to Policing and Professionalism
Offers a basic overview of the criminal justice system in Oregon to reserve police officers. The module orientes students to ethical and professional responsibilities, cultural awareness, patrol procedures and concepts of tactical communications. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered fall term.

CJ92 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 2: Legal and Investigative Concepts I
Offers training in topics ranging from first aid to criminal and procedural law application along with criminal investigation concepts, use of force, civil liability, defensive tactics and mental health concepts. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered fall term.

CJ93 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 3: Legal and Investigative Concepts II
Offers training in topics ranging from crimes related to property, fraud and deception along with focus on report writing and criminal investigation. Continued focus on defensive tactics is also part of the module. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered fall term.
CJ90 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 4: Legal and Investigative Concepts III
Offers continuing training in defensive tactics along with training related to OLCC, alcohol, controlled substances, weapons, public order, sex and family offenses, domestic violence, missing and abducted children, and child abuse investigations. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered winter term.

CJ95 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 5: Legal and Investigative Concepts IV
Offers training in defensive tactics, traffic enforcement, controlled substances, unattended deaths, homicide investigation, gang awareness and forensics. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered winter term.

CJ96 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 6: Police Skills Proficiency I
Offers practical application of knowledge in less lethal force options, defensive tactics, and mock trials along with application of investigative techniques related to sexual assault. Juvenile law and justice issues are also addressed. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered winter term.

CJ97 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 7: Police Skills Proficiency II
Offers practical skills training in elder abuse, defensive tactics, crash investigation, firearms orientation, building searches and field sobriety testing. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Offered spring term.

CJ98 0 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 8: Police Skills Proficiency III
Offers training in mock trials, vehicle stops, use of force decision-making scenarios, and confrontational simulations. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Course does not transfer. Prerequisite: CJ99. Offered spring term.

CJ99 0 credits
Criminal Justice Workshop
Provides in service and continuing education to study current issues and problems in law enforcement and corrections fields. Workshop subjects vary. Course does not transfer.

CJ100 4 credits
Foundations and Ethics in Criminal Justice
Provides an introduction to the legal and historical foundations and components of the criminal justice system. Issues in criminal justice administration and professionalism will be explored within an ethical decision-making framework. Career and professional development strategies will be assessed. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores.

CJ101 4 credits
Introduction to Criminology
Offers an interdisciplinary perspective of crime and criminal behavior in relation to the criminal justice system. Theoretical approaches to explaining crime, criminal statistics, typologies, and victimology will be assessed, and the influence of crime theory on public policy will be explored. Dual numbered as SOC244. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores.

CJ104 2 credits
CJ194 4 credits
Introduction to Law Enforcement
Offers comprehensive analysis of police practices and an exploration of law enforcement systems in the United States. The history of policing and practices in modern law enforcement are explored with special emphasis on community policing. Topics include professional discretion, ethical dilemmas, use of force, the role of police, and career development. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall and spring terms.

CJ120 4 credits
Introduction to the Judicial Process
Presents a theoretical, legal, and practical perspective of America's courts with emphasis on the functions and roles of prosecutors, defense attorneys, and judges. Problems and issues associated with the administration of the courts, processing of offenders, status of accused, victims, and witnesses are addressed from the time an offender is arrested through sentencing. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall and winter terms.

CJ130 4 credits
Introduction to Corrections
Examines the history, philosophy, and practices associated with the correction of people convicted of crimes in the United States. Community supervision and legal principles related to the rights and status of convicted offenders are addressed. Correctional institutions are a specific focus. Custody and security issues, treatment programs, and legal liabilities and obligations of correctional staff are emphasized. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall and spring terms.

CJ191 4 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 1: Orientation to Policing/Professionalism
Offers a basic overview of the criminal justice system in Oregon to reserve police officers. The module orientates students to ethical and professional responsibilities, cultural awareness, patrol procedures and concepts of tactical communications. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered fall term.

CJ192 4 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 2: Legal and Investigative Concepts I
Offers training in topics ranging from first aid to criminal and procedural law application along with criminal investigation concepts, use of force, civil liability, defensive tactics and mental health concepts. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered fall term.

CJ193 3 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 3: Legal and Investigative Concepts II
Offers training in topics ranging from crimes related to property, fraud and deception along with focus on report writing and criminal investigation. Continued focus on defensive tactics is also part of the module. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered fall term.

CJ194 4 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 4: Legal and Investigative Concepts III
Offers continuing training in defensive tactics along with training related to OLCC, alcohol, controlled substances, weapons, public order, sex and family offenses, domestic violence, missing and abducted children, and child abuse investigations. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered winter term.

CJ195 3 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 5: Legal and Investigative Concepts IV
Offers training in defensive tactics, traffic enforcement, controlled substances, unattended deaths, homicide investigation, gang awareness and forensics. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered winter term.

CJ196 2 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 6: Police Skills Proficiency I
Offers practical application of knowledge in less lethal force options, defensive tactics, and mock trials along with application of investigative techniques related to sexual assault. Juvenile law and justice issues are also addressed. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans.
Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered winter term.

CJ197 3 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 7: Police Skills Proficiency II
Offers practical skills training in elder abuse, defensive tactics, crash investigation, firearms orientation, building searches and field sobriety testing. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered spring term.

CJ198 3 credits
Reserve Officer Law Enforcement Academy (ROLEA) Module 8: Police Skills Proficiency III
Offers training in mock trials, vehicle stops, use of force decision-making scenarios, and confrontational simulations. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department. Offered spring term.

CJ199 Variable credit
Special Studies: Criminal Justice
Specializes in current topics of interest to the students and practitioners related to the criminal justice field. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores.

CJ201 4 credits
Juvenile Delinquency
Presents a philosophical, historical, and practical survey of juvenile justice administration in the U.S. In the context of an interdisciplinary framework, theories of delinquency causation and the characteristics of delinquent youth will be presented. Prevention, diversion and formal juvenile court processing of juvenile delinquents are explored. Emphasis is placed on juvenile corrections philosophy and practice. Dual numbered as SOC211. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores.

CJ203 3 credits
Crisis Intervention
Focusses on crises encountered in a variety of settings related to public safety. Techniques and approaches to intervention and working with people experiencing crises are addressed. Presents material on initial intervention, defusing and assessment, and resolution and/or referral, with emphasis on safety. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall term.

CJ210 4 credits
Criminal Investigation
Introduces the investigative process and techniques associated with processing crime scenes and developing information useful in justice agency investigations. Specific attention is given to crime scenes, interviewing, handling and preparation of evidence, witnesses, surveillance, technical resources, case preparation and proactive approaches to investigations generally as well as in relation to specific crimes. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered winter term.

CJ214 4 credits
Crime, Justice and Diversity
Provides a balanced examination of issues of crime and justice administration in the context of race, ethnicity, and diverse populations in the community. Diversity in the context of crime victimization, accused and convicted criminals, public perceptions, and employment in the criminal justice system is addressed. Problem-solving to facilitate improved understanding and cooperation between criminal justice practitioners and diverse populations in communities is emphasized. Prerequisites: RD30, BT113 or WR115 or designated placement test scores, and CJ100, CJ120 recommended. Offered winter and spring term.

CJ220 4 credits
Law I: Substantive Law and Liability
Presents an introductory study of criminal law concepts focusing on substantive law. Topics addressed include historical and constitutional principles of criminal law, classification of crimes, principles of criminal liability, elements of crimes, parties to crimes, inchoate offenses, defenses against criminal responsibility, and selected case law. Crimes against persons and crimes against property will be analyzed. Principles of civil right law and professional liability will be addressed. Prerequisite: CJ120. Offered fall and winter terms.

CJ221 4 credits
Law II: Constitutional Criminal Procedure
Examines constitutional principles and procedural considerations related to the investigation of crime, processing of accused persons, and maintenance of order in American society. Rights of individuals and responsibilities of law enforcement officers based on court decisions in relation to the First, Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendments to the United States Constitution are addressed. Prerequisites: BT113 or WR115 or designated placement test scores, CJ220, and RD30. Offered winter and spring terms.

CJ223 4 credits
Law III: Evidence and Trial Process
Presents the origin, development, and constitutional basis for evidence used in legal proceedings. Technical and legal problems of evidence associated with the investigation of crimes and as viewed in the modern court-room are presented. Aspects of procedural law directly related to evidence issues are reviewed. Case development and trial preparation are emphasized through mock trial exercises. Prerequisite: CJ120. Offered fall and spring terms.

CJ229 4 credits
Community Corrections and Casework
Examines community corrections philosophies, services, practices and treatment programs including probation, parole, community-based release programs, and alternatives to incarceration. Offers an overview of corrections casework approaches to behavior modification through assessment, classification, interviewing and counseling, and other treatment modalities. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered winter term.

CJ243 4 credits
Drugs, Crime, and Addiction
Introduces students to the dynamics of drug and alcohol addiction and the social and legal issues of drug abuse. Examines the political considerations behind contemporary drug enforcement policy. Explores the historical origins of the illegal drug trade. Dual numbered as SOC243. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; SP111 and WR121 recommended.

CJ270 4 credits
Capstone Project in Criminal Justice
Serves as the culminating experience in criminal justice degree programs. Skills and knowledge acquired in criminal justice courses are integrated and applied to a field situation related to the control and prevention of crime and public safety administration. The course requires a comprehensive, structured research report, an oral presentation, and an essay or exam to assess professional competence. Prerequisite: Permission of department chair. Offered spring term.

CJ280 Variable credit
Cooperative Work Experience/Criminal Justice
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Course is graded on a pass/no pass basis.

DENTAL ASSISTING

Career and Technical Courses

DA101 4 credits
Dental Assisting I
Introduces the basic concepts of the dental assistant’s role in preventative dentistry including dental terminology, infection control, basic microbiology, pharmacology, nutrition, oral and facial anatomy, tooth numbering, names of tooth surfaces, and dental charting and oral assessment. Also includes the use of dental instruments and the various procedures used by dentists, dental aspesis techniques, patient education, legal and ethical issues, the collection of clinical data, and patient psychology as it relates to anxiety and pain management. Prerequisites: This is a limited-entry program that requires completion of 15-18 credits of prerequisite/preparatory courses and formal acceptance prior to entry. Offered fall term.

DA101A, DA101B 1 credit
Dental Assisting I Lab
Provides hands-on instruction for students to demonstrate their capabilities and understanding of the dental assistant’s role through clinical evaluation in a lab setting. Tasks practiced include use of dental terminology, dental tray set-up, recognition and use of instruments used by the dentist, basic chair-side procedures, assisting during restorative treatment, four-handed dentistry, chair-side charting using tooth numbering systems, and names of tooth surfaces. Students are introduced to the various day-to-day operations within a dental office including infection control, management of hazardous waste, sterilization techniques, theory and terminology, ultrasonic/cavitation processes, instrument and equipment sterilization/disinfection, treatment room disinfection, and dental aspesis techniques. Prerequisites: This is a limited-entry program that requires completion of 15-18 credits of prerequisite/preparatory courses and formal acceptance prior to entry. Offered fall term.

DA102 4 credits
Dental Assisting II
Introduces the basic concepts of the dental assistant’s role in the control and prevention of crime and public safety administration. The course requires a comprehensive, structured research report, an oral presentation, and exams to assess professional competence. Prerequisite: Permission of department chair. Offered spring term.

DA108 4 credits
Dental Assisting II Lab
Provides hands-on instruction for students to demonstrate their capabilities and understanding of the dental assistant’s role through clinical evaluation in a lab setting. Tasks practiced include use of dental terminology, dental tray set-up, recognition and use of instruments used by the dentist, basic chair-side procedures, assisting during restorative treatment, four-handed dentistry, chair-side charting using tooth numbering systems, and names of tooth surfaces. Students are introduced to the various day-to-day operations within a dental office including infection control, management of hazardous waste, sterilization techniques, theory and terminology, ultrasonic/cavitation processes, instrument and equipment sterilization/disinfection, treatment room disinfection, and dental aspesis techniques. Prerequisites: This is a limited-entry program that requires completion of 15-18 credits of prerequisite/preparatory courses and formal acceptance prior to entry. Offered fall term.

DA109 4 credits
Dental Assisting III
Introduces the basic concepts of the dental assistant’s role in the control and prevention of crime and public safety administration. The course requires a comprehensive, structured research report, an oral presentation, and exams to assess professional competence. Prerequisite: Permission of department chair. Offered spring term.

DA110 4 credits
Dental Assisting IV
Introduces the basic concepts of the dental assistant’s role in the control and prevention of crime and public safety administration. The course requires a comprehensive, structured research report, an oral presentation, and exams to assess professional competence. Prerequisite: Permission of department chair. Offered spring term.
The course provides an in-depth view of specific, practical dental assisting skills in dental specialties. Topics covered in class will include the major dental specialties of oral surgery, endodontics, periodontics, prosthodontics, and orthodontics. Anatomical content covered will include the muscles, nerves, glands, and bones of the head and neck; the structures and tissues that make up the oral cavity; and the development, tissues, morphology, and functions of the teeth. Prerequisites: DA101, DA101A/B and DA202. Offered winter term.

**DA102A, DA102B 1 credit**

**Dental Assisting II Lab**

Builds on material learned in DA101A, DA103 and DA202. Students will repeat certain hands-on skills with an expectation of greater proficiency. Students demonstrate their capabilities and understanding of the dental assistant’s role through clinical evaluation in a lab setting. Students will learn how to perform soft-tissue examinations, take dental impressions, and collect vital statistics. Students will be introduced to dental instruments used in specialty offices. Prerequisites: DA101, DA101A/B, and DA202. Offered winter term.

**DA103 2 credits**

**Dental Materials**


**DA104 2 credits**

**Dental Administration**

Introduces office management and administrative skills that are required in a dental setting. Includes communication skills, written correspondence, patient relations, team communications, patient clinical records, information management, patient scheduling and recall systems, dental insurance processing, inventory management, financial arrangements, collection procedures, accounts receivable and payable, and employment strategies. Prerequisites: DA101, DA101A/B, and DA202 or department approval. Offered winter term.

**DA105 2 credits**

**Legal and Ethical Issues in Dentistry**

Exposes students to a variety of legal and ethical dilemmas, helping them become more prudent and confident dental professionals. Classroom content includes the legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. Prerequisites: DA102, DA102A/B, DA104, DA150 and DA201 or departmental approval. Offered spring term.

**DA106 2 credits**

**Dental and Medical Emergency Management**

Covers routine preparedness for dental team members: the dental assistant’s role in emergency care, managing a dental office emergency kit, the ABCs of CPR (airway/breathing/circulation), foreign body airway obstruction, and the causes, signs, and treatment of medical emergencies and specific dental emergencies. Prerequisites: DA102, DA102A/B, DA104, DA150 and DA201, or departmental approval. Offered spring term.

**DA100 1 credit**

**Introduction to Practicum and Seminar**

Provides an extensive overview of office responsibilities and work ethics, and prepares students for the challenges of their multiple roles in the dental office. These include guest, intern, student worker, administrative assistant, chair-side assistant, and housekeeping worker. Students will review and discuss the expectations and protocols for their upcoming practicum classes. Prerequisites: DA101, DA101A/B and DA202. Corequisites: DA102, DA102A or DA102B, DA104, and DA201 or departmental approval. Offered winter term.

**DA152, DA153 4 credits each**

**Practicum and Seminar in Dental Assisting I/II**

Students work an average of 13 hours per week in a host site (135 hours per term) as part of the dental team. Duties will be assigned according to the student’s skill level and the work needs of the host site. Students experience first-hand the various operations within a dental office primarily as chair-side dental assistants, but practicum experience may include receptionist duties and bookkeeping. Students will expand their skill sets during the sequence: entry-level and some mid-level duties are appropriate for students enrolled in DA152; mid-level and advanced duties, which may include exposing and processing radiographs, taking alginate impressions and pouring stone models, assisting during surgical procedures, and lab preparation for the expanded function class, are appropriate for students enrolled in DA153. Moderated by an instructor, seminars are designed to define expectations, discuss progress, and evaluate current future practicum experiences. Prerequisites to DA153: Successful completion of all courses in the first three terms of the cohort. Corequisites: DA204 and DA204A. DA152 offered spring term. DA153 offered summer term.

**DA204A, DA204B 2 credits**

**Radiology Lab**

Prepares students for the Oregon Radiologic Proficiency Exam. One of two exams required for a certificate in radiologic proficiency from the state of Oregon, it is required to legally expose radiographs. Prepares students for these sections: radiation safety for the patient, radiation safety for the operator, exposing and evaluating radiographs, processing films, mounting and labeling radiographs, and techniques used in performing a full-mouth radiologic exam. To become fully certified, students must also pass the Oregon Clinical Radiologic Proficiency Exam. Prerequisites: DA101, DA101A/B, and DA202 or department approval. Offered winter term.

**DA201A, DA201B 2 credits**

**Radiology Lab**

Prepares students for the Oregon Clinical Radiologic Proficiency Exam. One of two exams required for a certificate in radiologic proficiency from the state of Oregon, it is required to legally expose radiographs. To become fully certified, students must also pass the Dental Assisting National Board (DANB) Radiation Health and Safety (RHS) Exam. The course will also include an overview of taking digital X-rays. Prerequisites: DA102, DA102A/B, DA104, DA150 and DA201. Offered spring term.

**DA202 2 credits**

**Infection Control**

Prepares students for the Dental Assisting National Board’s (DANB) Infection Control Exam (ICE). The course is designed to prepare students for the following sections: patient and dental healthcare worker education, standard/universal precautions and prevention of disease transmission, prevention of cross contamination, maintaining aseptic conditions, performing sterilization procedures, environmental aspetic, and occupational safety. Corequisites: DA101 and DA101A/B or department approval. Offered fall term.

**DA203 2 credits**

**Chair-side Assisting**

Prepares the student for Oregon Basic, the Oregon Board of Dentistry’s written exam. The class is designed to prepare students in the following sections: collection and recording of clinical data, chair-side dental procedures, oral anatomy, chair-side dental materials (preparation, manipulation, application), lab materials and procedures, patient education and oral health management, infection control procedures, occupational safety, legal issues, prevention and management of emergencies, and office management procedures. Prerequisites: DA102, DA102A, DA150, and DA201 or department approval. Offered spring term.

**DA204 2 credits**

**Expanded Functions Dental Assistant**

Prepares students for the Oregon Board of Dentistry’s written exam in expanded functions for chair-side dental assistants (EFDA). Expanded functions are determined by the Oregon Board of Dentistry and may change without prior notice. The exam is administered by the Dental Assisting National Board. Students will still need a licensed dentist endorsement before becoming EFDA certified (General Dental Assisting EFDA Certification: Pathway III). The class is designed to prepare students for the following sections: placing matrix bands, polishing amalgam fillings, cement removal, taking impressions, coronal polishing, fabricating temporary crowns, and tooth whitening. Prerequisites: DA105, DA106, DA152, DA201A/B and DA203. Offered summer term.

**DA204A 1 credit**

**Expanded Functions Dental Assistant Lab**

Provides hands-on, clinical instruction of the lecture material presented in DA204. This class prepares students for the clinical skills required for an expanded functions dental assistant (EFDA). Expanded functions are determined by the Oregon Board of Dentistry and may change without prior notice. To be EFDA certified in Oregon, dental assistants must successfully complete all of the requirements in one of four pathways administered by the Dental Assisting National Board (DANB). RCC students currently follow Pathway III that requires students to: 1) have an Oregon Radiologic Proficiency Certificate; 2) pass the Oregon Basic Dental Assisting Exam (ORXG); 3) pass the Oregon Expanded Functions – General Dental Assisting Exam (ORXGO); and 4) provide certification from a licensed dentist stating that the applicant has completed all clinical requirements. Prerequisites: DA105, DA106, DA152, DA201A/B and DA203. Corequisites: DA153, DA204, and successful completion of all courses in the first three terms of the cohort. Offered summer term.

**DIESEL TECHNOLOGY**

**Career and Technical Courses**

**DS111 7 credits**

**Basic Electricity for Diesel Technicians I**

Introduces the fundamentals of basic electricity, starters and power generation, the use of test equipment, and troubleshooting techniques. Course required for all entering diesel technology students. Offered fall term.

**DS112 6 credits**

**Gasoline Engines Rebuild**

Reviews theory and construction of various gasoline internal combustion engines and how to rebuild, service, inspect, and repair them.
DS113 6 credits
Diesel Engine Overhaul
Provides diesel engine theory and hands-on experience in rebuilding and servicing diesel engines including testing, diagnosis, measurements, and repair. Corequisite: DS190. Offered spring term.

DS120 6 credits
Diesel Trades Practices
Introduces basic mechanical shop safety and industrial practices, professionalism and ethics, shop tools, and equipment use. Vehicle maintenance and service procedures included. Course required for all entering diesel technology students. Offered fall term.

DS131 5 credits
Diesel Engine Dynamics and Diagnosis
Provides the theory of operation and hands-on experience in tuning up and troubleshooting various live diesel engines. Topics include tune-up, engine airflow principles, and performance diagnosis. Prerequisites: DS111 and DS120. Offered winter term.

DS134 4 credits
Basic Electricity for Diesel Technicians II
Introduces first-year students to electrical and electronic theory and more advanced topics that relate to heavy, mid-range, light, stationary, marine diesel, propane, and natural gas applications. Students will have the opportunity to achieve task mastery by successful completion of each ASE/NATEF task. Prerequisites: DS111 and DS120. Offered winter term.

DS141 5 credits
Heavy Equipment Power Trains
Studies the principles of operation of heavy transmissions, differentials, and clutches, and provides for hands-on experience in the servicing, inspecting, and rebuilding of them. Prerequisites: AM111 or DS111 and AM120 or DS120. Offered winter term.

DS151 6 credits
Heavy Equipment Brakes
Studies the theories of braking system operation and provides hands-on experience in the rebuilding, repairing, and adjusting of the various braking systems including hydraulic, air, and electrical types, as well as ABS brake hydraulics and operation. Offered spring term.

DS160 6 credits
Heavy Equipment Suspension and Steering
Provides students with the theory and hands-on training needed to properly test, repair, troubleshoot, and align suspension and steering systems used on trucks and heavy equipment. Prerequisites: AM111 or DS111 and AM120 or DS120 or approval of instructor. Offered fall term.

DS190 3 credits
Diesel Repair Lab I
Provides live work experience in all aspects of repair expected of entry-level line technicians. Includes basic engine performance, diagnosis and repair of engines, chassis, power trains, and basic electrical systems. Primarily designed for first-year students or those with appropriate skill levels. Corequisite: DS113. Offered spring term.

DS199 Variable credit
Workshop/Selected Topics
Presents workshops dealing with the diesel and heavy equipment industry and related issues; scheduled as needed.

DS232 4 credits
Heavy Equipment Fuel Systems
Develops skills and knowledge for working with diesel fuel injection, turbo chargers, super chargers, gasoline, and alternative fuel systems. Includes hands-on experience in the servicing and rebuilding of components in each system. Prerequisite: DS131. Offered summer term.

DS233 7 credits
Computerized Vehicle Management Systems
Allows for demonstration of mastery of basic diesel engines, fuel systems, electricity, electronics, air conditioning, heavy-duty computer controlled brakes, and suspension and repairs of all on-board, computer controlled, monitored and managed systems. Meets current ASE/NATEF (Automotive Service Excellence/National Automotive Technicians Education Foundation) requirements for certification and is the foundation for many fleet and dealership maintenance, repair and monitoring practices. Prerequisites: DS131, DS134 and DS232. Offered winter term.

DS260 4 credits
Hydraulic Systems
Studies theory and operation of hydraulic systems used in the heavy equipment industry; includes hands-on experience in building, troubleshooting, and repairing these systems. Prerequisites: AM111 or DS111 and AM120 or DS120. Offered spring term.

DS270 5 credits
Air Conditioning for Diesel Technicians
Covers vehicle air conditioning systems theory and operation. Uses industry-identified skills for diagnosis, repair, and servicing of R12 and R134a systems. Also covers government regulations in the safe handling of refrigerants. Prerequisites: DS111, DS120, and DS131. Offered summer term.

DS275 6 credits
Preventative Maintenance Inspection
Provides culminating of all ASE/NATEF and academic courses required for completion and/or graduation from the Diesel Technology program. It requires knowledge and demonstration of basic engine maintenance and repair, heavy duty brakes, drive train, air conditioning, fuel and emission systems, electronics, safety inspection, servicing, maintenance records, and repairs of all on-board systems. Prerequisites: DS113, DS131, DS151, DS160, DS232, and DS270. Offered spring term.

DS280 1 credit
Cooperative Work Experience/Diesel
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisites: AM111 or DS111 and AM120 or DS120, or approval of instructor.

DS280S 1 credit
Cooperative Work Experience Seminar/Diesel
Presents an overview of the necessary employment documents to be competitive in the job market. Students will write a basic resume and cover letter, complete an employment application, participate in a mock interview, and develop an understanding of the importance of a professional image and work ethic. Students are expected to have completed most of their coursework toward a certificate or degree program and will be enrolled in CWE concurrently or in the following term.

DS290 3 credits
Diesel Repair Lab II
Provides live work experience in all aspects of repair expected of an entry-level line technician. Includes engine performance, diagnosis and repair of engine components, chassis, power trains, brakes, suspension systems, hydraulic, and electrical systems. Course is for second-year students or can be taken in place of Cooperative Work Experience. Offered spring term.

DS295 1 credit
ASE Certification Preparation
Provides students with a review of Automotive Service Excellence (ASE) certification and testing. Topics covered are test-taking techniques and technical reviews pertinent to the specific certification area(s). Prerequisites: Approval of advisor. Offered infrequently.

Career and Technical Courses
ECE100 3 credits
Introduction to Early Childhood Education
Introduces students to the field of early education for children, birth to age eight. Covers the history and roots of the field, current issues and challenges, and explores professional education and career directions for teachers of young children. Community observations in early childhood settings are required. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall and winter terms.

ECE125 3 credits
Early Childhood Development
Provides an overview of child development from conception through eight years of age. The focus is on studying and observing the physical, cognitive, language, emotional, and social characteristics of the child during this period. Includes the CDA subject areas of child growth and development and observation. Child observations are required. Community observations in early childhood settings may be required. Course may include an online component. Equivalent to ECE125A, ECE125B, ECE125C. Prerequisites: RD30 and WR30 or appropriate placement test scores.

ECE126 3 credits
Early Childhood Education Best Practices
Examines the basics of establishing a safe, healthy, and developmentally appropriate learning environment for young children. This course includes the CDA subject areas of safe, healthy, learning environment, physical, cognitive, and communication. Community observations in early childhood settings are required. Course may include an online component. Equivalent to ECE126A, ECE126B, ECE126C. Prerequisites: RD30 and WR30 or designated placement test scores.

ECE135 3 credits
Applied Child Development
Examines the importance of encouraging creativity and promoting social and emotional development in young children. Explores appropriate guidance techniques. Includes the CDA subject areas of creative, self, social and guidance. Community observations in early childhood settings are required. Course may include an online component. Equivalent to ECE135A,
ECE135B, ECE135C. Prerequisites: RD30 and WR30 or designated placement test scores.

ECE136 3 credits
Early Childhood Education: A Professional Overview
Examines the importance of promoting family involvement and relationships. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, or ED165 or permission of instructor. Offered fall and spring terms.

ECE151 3 credits
Guiding Children in Group Settings
Addresses positive ways to support children's social-emotional development from birth to age 8 by understanding children's behavior. Focuses on adult-child and child-child interactions and relationships. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, or ED165 or permission of instructor. Offered winter and spring terms.

ECE152 3 credits
Fostering Creativity
Focuses on understanding and implementing a developmental approach to providing creative experiences and opportunities for young children. The class will be taught with an active learning and cooperative education philosophy using group discussions and hands-on learning. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE163 or ED165 recommended. Offered fall and spring terms.

ECE154 3 credits
Children's Literature and Literacy
Surveys children's literature for young children and emphasizes setting up environments and planning activities that support emerging language and literacy skills in young children. Covers the developmental continuum of language, reading, and writing skills. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, and ECE163 or permission of instructor. Offered winter term.

ECE161 3 credits
Infant/Toddler Development
Explores child growth and development in detail from the prenatal period to age 3, including elements of quality group care for infants and toddlers. Direct experience observing infants and toddlers in a group setting will be an important part of the course. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall and spring terms.

ECE163 3 credits
Preschool/Primary Development
Explores child growth and development in detail from 3 through 8 years of age, including elements of quality programs for preschool and school-age children. Direct experience observing young children in a group setting will be an important part of the course. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall and spring terms.

ECE175 3 credits
Developmentally Appropriate Practices
Explores developmentally appropriate practices (DAP) for children from birth through age 8. Examines appropriate physical environments, as well as practices and environments that promote positive development in all developmental domains. Community observations in early childhood settings are required. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, ECE163 or ED165 or permission of instructor. Offered fall and spring terms.

ECE199 13 credits
Selected Topics in Early Childhood Education
Studies issues related to early childhood education. Offered infrequently.

ECE240 3 credits
Play-based Learning
Explores why play is a fundamentally important part of children's development, the role of play in learning, and ways that adults can support and promote play. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE163, or ED165 or permission of instructor. Offered fall and winter terms.

ECE241 3 credits
Promoting Cognitive Development
Covers planning curriculum themes by assessing children's interests and needs. Includes ways to promote cognitive development by engaging children in units that are child-centered. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE163, or ED165 or permission of instructor. Offered fall and spring terms.

ECE242 3 credits
Parenting Education and Family Support
Promotes understanding of the body of knowledge in the field of parenting education and skills in effective parenting education practices, both in group and home settings. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. ECE125, ECE161, and ECE163 or permission of instructor. Offered spring term.

ECE243 3 credits
Promoting Child Health and Physical Development
Provides an understanding of the essential elements of health, safety, and nutrition for young children. Methods and materials for enhancing motor development will be examined. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, ECE163, or ED165 or permission of instructor. Offered fall term.

ECE244 3 credits
Observation and Assessment
Focuses on the use of observation as a tool for discovering children's interests, assessing development and behavior, and planning responsive curriculum. Observations in community early childhood settings are required. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, ECE163, or ED165. Offered winter and spring terms.

ECE245 3 credits
Promoting Social/Emotional Development of Young Children
Explores strategies to help children develop the social and emotional tools needed to manage their own behavior, exhibit more prosocial behavior, and master social skills. Addresses how to support children who have particular social needs such as shyness, aggressive behavior, and hearing or visual impairments. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE151; ECE161, ECE163, or ED165 or permission of instructor. Offered fall and winter terms.

ECE246 3 credits
Child, Family and Community
Focuses on developing skills for establishing effective relationships, based on mutual respect, between early childhood professionals and families of the children with whom they are working. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, or ED165 or permission of instructor. Offered fall and spring terms.

ECE248 3 credits
Children with Disabilities and Their Families
Explores ways teachers can facilitate the inclusion of young children with disabilities in a child care or classroom setting. Covers characteristics of disabilities, environmental and curricular adaptations, and instructional strategies for supporting learning. Impact of disability on families, working in partnership with parents, and participation on the IFSP/IEP team will also be addressed. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE161, ECE163, or ED165 or permission of instructor. Offered spring term.

ECE250 3 credits
Infant/Toddler Environments
Explores planning and evaluating physical and social environments for children birth to 3 years old. Includes room arrangement, appropriate equipment, outdoor areas, and creation of a nurturing environment. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE161 or permission of instructor. Offered infrequently.

ECE251 3 credits
Preschool Environments
Explores planning and evaluating physical and social environments for 3 to 8 year-old children. Includes room arrangement, appropriate equipment, outdoor areas, and creation of a nurturing environment. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE163 or permission of instructor. Offered winter term.

ECE252 3 credits
Family Child Care Environments
Explores planning and evaluating physical and social environments for children in a multi-age family child care setting. Includes room arrangement, appropriate equipment, outdoor areas, and creation of a nurturing environment. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE161 and ECE163. Offered infrequently.

ECE254 3 credits
Preschool Curriculum
Designed for those working with preschool-aged and kindergarten children. Covers how to select, present, and evaluate materials and activities for 2½- to 6-year-old children. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE161, ECE163, or ED165. Offered spring term.

ECE255 3 credits
Infant/Toddler Materials and Activities
Designed for those planning to work with infants and toddlers. Covers how to select, present, and evaluate materials and experiences for children birth to three years old. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE151, ECE161, ECE163, or ED165 or permission of instructor. Offered fall and winter terms.
scores and ECE161 or permission of instructor. Offered infrequently.

**ECE256 3 credits**
**Primary Curriculum**
Designed for those planning to work with primary-age children. Covers how to select, present, and evaluate materials and activities for children six to eight years old. Emphasizes how to fulfill curriculum standards using developmentally appropriate teaching strategies. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores, ECE163, and ED165 or permission of instructor. Offered winter term.

**ECE258 3 credits**
**Early Childhood Home Visitation**
Explores the role of the early childhood home visitor in providing effective services to families with young children in the home setting. Focuses on understanding the parent-child relationship and attachment, stages of change, and the trauma response. Prerequisites: RD30 and BT113 or WR115 or appropriate placement test scores; HS155 and HS158. Offered fall term.

**ECE261 3 credits**
**Advanced Practicum I and Seminar**
Provides supervised teaching of children in a lab school or community setting, applying what has been learned through coursework and previous lab experiences. Course includes an online component. Criminal history check required as students will be in early childhood or elementary school settings. Prerequisite: RD30 and BT113 or WR115 or designated placement test scores, all required 100-level ECE courses, and ECE254, ECE255 or ECE256.

**ECE262 3 credits**
**Advanced Practicum II and Seminar**
Provides supervised teaching of children in a lab school or community setting, applying what has been learned through coursework and previous lab experiences. Students will take on the role of a lead teacher for a portion of the experience. Course includes an online component. Criminal history check required as students will be in early childhood or elementary school settings. Prerequisite: ECE261.

**ECE265 3 credits**
**Children at Risk**
Explores the stressful issues that impact the development of the whole child, including poverty, divorce, child abuse, death of family members, changes in family system, cultural differences, violence, chronic illnesses, substance abuse, and homelessness. Requires online course component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE161, ECE163, or ED165 or permission of instructor. Offered winter term.

**ECE266 3 credits**
**Spanish for Early Childhood/Elementary Professionals**
Focuses on developmentally and linguistically appropriate practices for second language learners as well as developing a perspective of cultural competency. Enables students to develop basic vocabulary and learn cultural activities in Spanish to use with Spanish-speaking children and parents in a variety of educational situations. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered fall, winter and spring terms.

**ECE275 3 credits**
**Anti-bias Education**
Explores the role of the adult in helping children accept and appreciate diversity and uphold values of equity, inclusion and social justice. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE161, ECE163, or ED165 or permission of instructor. Offered fall and spring terms.

**ECE280 Variable credit**
**Cooperative Work Experience/Early Childhood Education**
Cooperative work experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Criminal history check required as students will be in early childhood or elementary school settings.

**ECE285 3 credits**
**The Early Childhood Professional**
Explores professional code of ethical conduct, aspects of leadership as an early childhood professional, and the development of a professional philosophy and portfolio. Provides the opportunity to engage professionally in a community project. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE100 or ED259 recommended. Offered winter term.

**ECE295 3 credits**
**Management of Early Childhood Programs**
Studies principles and practices in supervision and management of preschool and child care centers, including organization, budgeting, personnel records, relationships with community resources, regulatory agencies, and working with parents. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered infrequently.

**ED110 1 credit**
**Leadership I**
Introduces basic skills in leadership. Special attention is given to developing basic leadership skills and cultural systems awareness. Prerequisites: BT113 or WR115 (may be taken concurrently). Offered fall and spring terms.

**ED121 1 credit**
**Leadership II**
Introduces basic skills in leadership. Special attention is given to assessing and developing basic management skills and organizational systems awareness. Prerequisites: BT114 or WR121 (may be taken concurrently). Offered winter term.

**ED122 1 credit**
**Leadership III**
Selected projects are provided to teams of students that will require the use of effective leadership and management skills to achieve success. Special attention is given to assessing and providing students meaningful coaching and feedback on their use of key leadership and management skills. Prerequisites: BT114 or WR121 (may be taken concurrently). Offered spring term.

**ED125 1 to 3 credits**
**Tutoring Adults**
Provides techniques for assisting adult students with basic communication and computational skills. Includes practice in tutoring adults in reading, writing, math, or English as a Second Language. Prerequisite: RD30 or designated placement test score.

**ED131 3 credits**
**Applied Learning Theory**
Examines the principles of teaching and training with emphasis on applying adult learning theory. Focus will be on designing and evaluating learning outcomes. Designed for computer science information majors or students with strong content area knowledge who have little background in adult learning theory and its application to teaching and training. Prerequisite: WR121; SP111 recommended. Offered infrequently.

**ED165 3 credits**
**Child Development**
Explores child growth and development from the prenatal period through middle childhood. Course may include an online component. Prerequisites: RD30 and WR115 or designated placement test scores. Offered winter and spring terms.

**ED170 2 credits**
**Introductory Practicum**
Provides supervised teaching of children in a variety of classrooms (one credit per term). The student will be assigned to a different site for each practicum credit. Criminal history check required as students will be in early childhood or elementary school settings. Course includes an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; ECE125, ECE161, ECE163 or ED165.

**ED199 Variable credit**
**Special Studies: Education**
Presents special topics of study in education through workshop, seminar, research, and/or independent study formats. Content varies according to department needs and demand.
ED259 3 credits
Foundations of Education
Investigates the historical, social, legal and philosophical foundations of education. It provides an overview of the structure and contemporary issues of the American education system and explores the roles and ethical considerations of the education profession. Course may include an online component. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores. Offered infrequently.

ED280 Variable credit
Cooperative Work Experience/Education
Provides work-related experience and study in selected occupational environments.

ED282 3 credits
Community College Teaching
Assists new, continuing, or adjunct instructors in developing and refining the skills necessary to apply successful strategies in a community college learning environment. Addresses shifting paradigms in teaching/learning. Includes learning outcomes, assessment strategies, brain-based teaching, and student-centered instruction. Includes the role of community colleges and the resources and structure for teaching at RCC. Prerequisite: WR121 or approval of instructor. Offered infrequently.

**ELECTRONICS**

Career and Technical Courses

EET101 3 credits
Introduction to Electronics
Provides students with a hands-on survey of modern electronics. Introduces DC/AC theory, digital, solid state, power supply fundamentals, and integrated circuits. In addition to enhancing learning by providing practical applications of theoretical circuit models, lab assignments provide opportunities for increased knowledge and proficiency in the proper use of industry-standard test equipment. Prerequisite: MTH20 recommended.

EET106 3 credits
Electronics Assembly
Provides students with the hands-on skills and proficiencies necessary to meet ANS J-STD-001B electronics assembly requirements. Areas of study include J-standard general requirements (procedures, terms, components, processes, materials, electrostatic discharge, tools, and equipment), surface mount assembly and soldering through-hole assembly and soldiering, wires and terminals, and inspection. Students will obtain J-STD-001B certification upon successful completion of the course. Offered infrequently based on industry demand.

EET112 5 credits
Introduction to Mechatronics
Uses a Parallax Boe-Bot as the centerpiece for students learning mechanical assembly, programming, and motion control in automated systems. Introduces digital concepts including binary number systems and basic logic as well as concepts and components in DC electronics fundamentals. Includes fundamentals of programming in PBasic; instruction on how to interface input/output ports to LEDs, sensors, and audio piezo speaker elements; and electrical assembly techniques, safety, and soldering of through-hole and surface mount components. Students design, program and implement final Boe-Bot projects to demonstrate course content mastery. Prerequisites: MTH20 and WR30 or designated placement test scores.

EET113 3 credits
Exploration of Alternative Energies
Explores the basic principles behind energy and introduces the various types of energy sources, distribution methods, and the consequences of the use of each source. Emphasis is on the physical principles behind energy and the related effects on our environment. In addition, students will explore and integrate the questions of energy policy in combination with potential energy strategies to build a sustainable future. Prerequisites: CS120 or documented proficiency and MTH20.

EET118 5 credits
Introduction to Renewable Energy Systems (RES)
Introduces solar, hydro, thermal, wind, bio-fuels, and control and conversion systems. Students will learn appropriate safety practices, terminology, and mathematics concepts/applications tied to renewable energy sources and systems. Includes hands-on projects and application assignments. Prerequisites: EET125 or permission of instructor. Corequisites: MTH63 or MTH60.

EET120 4 credits
Renewable Energy Systems (RES) Site Analysis and Design
Provides foundational skills and knowledge to complete the pre-planning, site survey, and process for installation of photovoltaic (PV) energy systems. Prerequisites: EET125 and EET118.

EET121 2 credits
North American Board of Certified Energy Practitioners (NABCEP) Entry-level Preparation
Provides students with a review of system design, installation, mechanical connections, and safety requirements for photovoltaic (PV) systems in preparation for the NABCEP entry-level certification test. Prerequisite: EET120 and MTH60 or MTH63.

EET125 6 credits
Electronics Fundamentals I (DC)
Covers the theory and application of direct current electrical concepts. Topics include common electrical components and measuring instruments; the utilization of scientific and engineering notation with mathematical analysis involving electrical and magnetic units; atomic basis of electrical activity; use of Ohm’s Law and Kirchhoff’s Laws to analyze electrical circuits; interrelationship of energy and power and the use of Watt’s Law; analysis of voltage, current, and resistance relationships in series, parallel, and series-parallel resistive networks; circuit theorems and source conversions; branch, mesh, and node analysis methods; and theory and application of magnetism and electromagnetism. Corequisites: MTH63 or MTH60.

EET126 7 credits
Electronics Fundamentals II (AC)
Introduces the theory, mathematical concepts, calculations, applications, and troubleshooting of alternating current (AC) electrical circuits. Topics include generation of alternating current and voltage, phasors and complex numbers and their application to vector analysis of AC circuits, theory and application of capacitors and inductors in DC and AC circuits, principles of transformers and circuit applications, analysis of series, parallel, and series-parallel RC, RL, and RLC reactive circuits, series resonance and parallel resonance circuits. Theory and hands-on application of frequency response circuits include low-pass, high-pass, band-pass, band-stop filters, and pulse response of reactive circuits. Prerequisite: EET125.

EET130 6 credits
Digital Fundamentals I
Explores binary and hexadecimal number systems, truth tables, and logic devices. Outcomes include the simplification of logic expressions using Boolean algebra, DeMorgan’s theorems, and the use of simulation software (MultiSim) to solve combinational logic circuits. Students will do analysis of combinational logic circuits and their operations, and examine the characteristics of TTL and CMOS digital ICs. Students will also be introduced to the fundamentals of latches, flip-flops and other related devices, which are the building blocks to microcontrollers and microprocessor storage devices. PBASIC programming is used in conjunction with a Parallax BS2 Microcontroller to develop proficiency in building and troubleshooting digital systems. Hands-on laboratory experience is used to enhance theoretical concepts and develop troubleshooting skills. Prerequisite: EET125 or approval of instructor; EET112.

EET131 6 credits
Digital Fundamentals II
Examines advanced combinational logic synthesis, implementation of logic circuits and systems with TTL and CMOS devices, minimization techniques, and analog to digital conversion circuitry. Includes information on sequential circuits (flip-flop, register transfer), and hands-on troubleshooting of digital circuits with digital logic analyzers. Includes exploration of complex programmable logic devices using Xilinx ISE 7.1 Webpack software and CoolRunner architecture. Coursework also includes exploration of digital communication protocols (e.g., JTAG, USB, GPIB, RS232), and an introduction to the Atmel AVR microcontroller including architecture, addressing, and assembly language for basic programming projects. Prerequisite: EET130.

EET132 5 credits
Digital Fundamentals III
Explores complex programmable logic devices (CPLDs) and field programmable gate arrays (FPGAs) including applications, processes for programming, DC parameters and timing analysis and troubleshooting. Applications include Sequential Logic, Latches, Flip-Flops, Timers, Counters/Registers, HDL Implementation, FLD HW Implementation, Finite State Machine Design/Analysis, Logic Testing, MPU System, and Memory Devices. Laboratory assignments and projects will focus on using the Xilinx platform and Verilog programming language to implement and test designs. Prerequisite: EET131. Offered spring term.

EET136 2 credits
Photovoltaic (PV) Installation Techniques
Introduces the mechanical integration and supporting building structures used to install photovoltaic (PV) renewable energy systems. Focus is on relationships between the manufacturer’s information for equipment and the mounting and installing procedures related to implications of product safety, performance, code compliance, and warranties for stand-alone and interactive utility systems. Students will gain a working knowledge of the ways that PV arrays are mechanically secured and installed, compare and contrast different array mounting systems and practices, and understand the effects of site placement and environmental conditions related to longevity of the renewable system, mounting method, and integration into the existing structure. Prerequisites: EET118 and MTH60 or MTH63. Offered as needed.

EET140 7 credits
Solid State Fundamentals
Introduces the theory, mathematical concepts, calculations, application, and troubleshooting of semiconductor solid-state
Covers theory, operational characteristics, and typical applications of operational amplifier and linear integrated circuit devices. Operational amplifier topics include differential amplifier theory, application of positive and negative feedback, operational characteristics, and typical circuit applications. Linear integrated circuit topics include power supplies, special amplifier circuits, and data conversion circuits. In addition to theory and basic circuit applications, emphasis is placed on industry standard circuit applications. Hands-on experience with industry standard test equipment is supplemented with computer simulation to enhance presentation of theory and circuit applications and development of troubleshooting skills. Prerequisite: EET140 or approval of instructor.

EET220 6 credits

Solid State Devices

Covers the theory and application of solid-state semiconductor field effect transistors and thyristors. Topics include theory and application of field effect transistors as switches and amplifiers, large signal amplifier applications of bipolar junction transistors, frequency analysis in solid state circuits, and silicon controlled rectifier theory and applications. Static and dynamic analysis of device and circuit operational performance is covered with application to problem solving and troubleshooting skills. In addition to hands-on experience with industry-standard test equipment, computer simulation is used to enhance the presentation of theory and circuit applications and to develop troubleshooting skills. Prerequisite: EET140.

EET225 3 credits

Electronics Troubleshooting

Provides comprehensive, theory and hands-on application of troubleshooting electronics components, circuits, and systems. Instruction includes technician responsibilities, safety, troubleshooting digital and analog systems, block and schematic diagram reading, test equipment loading and limitations, component faults/ failures, opens and shorts, parts replacement, final inspection and test, and documentation. Prerequisite: EET220. Offered winter term.

EET230 6 credits

Radio Frequency Communications Fundamentals

Examines the principles and circuitry utilized for radio frequency transmission and reception. In addition to basic principles and underlying theory, typical circuits for implementing amplitude modulation, frequency modulation, and digital communications techniques are discussed. Additional topics include basic principles and typical structure of communications receivers and transmitters, basic principles and techniques for multiplexing and de-multiplexing radio frequency signals, transmission line theory and application, electromagnetic wave propagation, and antenna fundamentals. Emphasis is placed on the development of hands-on operational performance evaluation, tuning, and troubleshooting skills. Prerequisite: EET220. Offered winter term.

EET235 5 credits

Microwave Applications

Provides instruction in microwave theory and hands-on experience in using test instrumentation to explore the characteristics of microwave technology. Explores transmission lines, VSWR, Smith Chart, impedance matching, stripline, microstrip and S parameters. Includes mixer/detector characteristics, up and down converters, IF strips, noise figure and temperature, receiver sensitivity, amplifiers, filters, duplexers, couplers, attenuators, terminators, isolators, mismatch loss, switches, propagation loss, antenna gain, and connectors. Includes hazards of microwave radiation to personnel and electrostatic discharge (ESD) to sensitive solid-state components. Prerequisite: EET230. Offered spring term.

EET240 5 credits

Microcontrollers I

Provides detailed instruction in the software and hardware architecture of the Atmel AVR 8-bit RISC microcontrollers. Assembly language programming, debugging, and hardware interfacing allows for investigation of registers, memory maps, timing, decoding, memory addressing, and input/output porting of microcontroller-based systems. Prerequisite: EET131. Offered winter term.
EMS162 2 credits  
12-lead ECG Interpretation  
Introduces 12-lead electrocardiograms (ECGs). The course covers a review of basic cardiac anatomy, physiology, and electrophysiology and how it relates to the 12-lead ECG; includes is how to acquire and interpret the results of the 12-lead ECG in recognizing non-ST-elevation myocardial infarctions, ST-elevation myocardial infarctions, and the common imposters the clinician may observe. Prerequisites: Some form of medical training or background is suggested (e.g., EMT, CNA, etc.) as well as successful completion of an ECG recognition course.

EMS165 2 credits  
Introduction to Pharmacology for Health Occupations  
Introduces the world of pharmacology beginning with regulations and safety issues, working through different medication preparations and dosages, and medical math and safe drug calculations. This course will cover patient conditions related to medications and the effects medications have on the patient’s body. The course also introduces correct medication administration procedures and the medications prescribed or administered that specifically target the autonomic nervous and cardiovascular systems. Prerequisites: MTH20, RD30, and WR115 or designated placement test scores. Offered fall, spring and summer terms.

EMS170 2 credits  
Emergency Communication and Documentation  
Covers principles of therapeutic communication, verbal, written, and electronic communications in the provision of EMS, documentation of elements of patient assessment, care and transport, communication systems, radio types, reports, codes, and correct techniques. Prerequisite: Completion of or concurrent enrollment in ES131 or current EMT license. Offered winter and spring terms.

EMS171 2 credits  
Emergency Patient Transportation  
Covers ambulance operations, laws, maintenance and safety, emergency response driving and route planning. Prerequisite: Completion of or concurrent enrollment in ES131 or current Oregon EMT license. Offered winter term.

EMS175 5 credits  
Advanced Emergency Medical Technician Part I  
The first of the didactic and lab portions of the AEMT, patient assessment and management, airway management, anatomy/physiology, patho-physiology, differential diagnosis, shock management, intravenous and intraosseous infusions, trauma management, medical emergencies management, basic cardiology and defibrillation, protocols, pharmacology and medications, obstetric emergencies, and emergency pediatric care. Prerequisites: Current Oregon EMT license. Course requires a written application prior to admission. Offered infrequently.

EMS182 5 credits  
Advanced Emergency Medical Technician Part II  
The second of the didactic and lab portions of the AEMT course. The course presents the roles and responsibilities of the AEMT, patient assessment and management, airway management, anatomy/physiology, patho-physiology, differential diagnosis, shock management, intravenous and intraosseous basic and advanced life support equipment to apply the concepts learned in EMS272. Also develops skills and abilities in managing emergency medical scenes, coordinating resources, and delegating tasks as appropriate. Corequisites: EMS272 and EMS282. Offered winter term.

EMS273 5 credits  
Paramedic Part III  
Third course in the paramedic series. Covers the principles and practices for identifying and managing trauma patients and a Pre-hospital Trauma Life Support (PHTLS) course is included. Also covers toxicology, infectious disease, environmental emergencies, endocrinology, and ethical and legal issues. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license and completion of EMS272, EMS272L, and EMS282 with a “C” or better grade. Corequisites: EMS273L and EMS283. Offered spring term.

EMS273L 2 credits  
Paramedic Lab Part III  
In-classroom labs and simulated emergency scenes, develops students’ abilities to recognize and treat the symptoms of illness and injury. Includes hands-on assessment and uses both basic and advanced life support equipment to apply the concepts learned in EMS273. Also develops skills and abilities in managing emergency medical scenes, coordinating resources, and delegating tasks as appropriate. Corequisites: EMS273 and EMS283. Offered spring term.

EMS280 Variable credit  
Cooperative Work Experience/EMS  
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisites: ES132 and ES132L, and permission of CWE instructor or department chair.

EMS281 1 credit  
Paramedic Clinical Practice I  
Focuses on airway management in the operating room setting and patient assessment in the emergency department. The class will begin with an orientation session to the clinical tracking system used and the RCC Paramedic Clinical Manual. Specific procedures and issues common to clinical sites will be reviewed prior to beginning rotations. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license. Corequisites: EMS271 and EMS271L. Offered fall term.

EMS282 2 credits  
Paramedic Clinical Practice II  
Focuses on airway management in the operating room, patient assessment and treatment, and application of paramedic skills in the emergency department, labor and delivery, and the care of pediatric patients. Specific procedures and issues common to these clinical sites will be reviewed prior to beginning rotations. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license and completion of EMS271 and EMS282 with a “C” or better grade. Corequisites: EMS272 and EMS272L. Offered winter term.

EMS283 2 credits  
Paramedic Clinical Practice III  
Focuses on patient assessment and treatment, and application of paramedic skills in the emergency department, airway management in the operating room setting, management of critical
patients in the ICU and CCU, and assessment and management of respiratory conditions. Specific procedures and issues common to these clinical sites will be reviewed prior to beginning rotations. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license and completion of EMS272 and EMS282 with a "C" or better grade. Corequisites: EMS273 and EMS273L. Offered spring term.

EMS284 8 credits
Paramedic Clinical Practice IV
This is the field internship portion of the paramedic course. Students will complete a minimum of 500 hours as a crew member on an advanced life support transporting ambulance, and must also participate in a minimum of 50 advanced life support calls of specific types. Individual conferences with the clinical coordinator will be conducted throughout the term. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license and completion of EMS273, EMS273L, and EMS283 with a “C” or better grade. Offered fall and summer terms.

EMS299 Variable credit
Workshop: Emergency Medical Service Training
Provides in-service training in a variety of emergency medical service topics. Prerequisites: Current Oregon EMT, AEMT, EMT-Intermediate, or paramedic license.

ES105 4 credits
Introduction to Emergency Services
Explores the organization, funding, and role of emergency services within the community and government. Other topics include an overview of emergency medical services and fire protection services; legal and professional considerations regarding emergency response; emergency services personnel; history and trends of emergency services; evaluation and planning; disaster response; and training, leadership, and career development within emergency services.

ES131 4 credits
Emergency Medical Technician Part I
The first half of a course that prepares individuals for National Registry certification and licensure in Oregon as an emergency medical technician. Covers the recognition and treatment of symptoms of illness and injury in classroom labs and simulated emergency scenes. Includes skills in patient assessment, basic airway management, trauma assessment and management, medication administration, and the use of automated external defibrillators (AED). Course requires written application prior to admission. Prerequisites: Course requires written application prior to admission. Corequisite: ES131L. Offered fall, winter and summer terms.

ES131L 1 credit
Emergency Medical Technician Part I Lab
Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs and simulated emergency scenes. Includes skills in patient assessment, basic airway management, trauma assessment and management, medication administration, and the use of automated external defibrillators (AED). Course requires written application prior to admission. Prerequisites: Course requires written application prior to admission. Corequisite: ES131. Offered fall, winter and summer terms.

ES132 4 credits
Emergency Medical Technician Part II
The second half of a course that prepares individuals for National Registry certification and licensure in Oregon as an emergency medical technician. Covers the recognition and management of medical and trauma patients. Prerequisite: Completion of ES131 and ES131L with a "C" or better. Corequisite: ES132L. Offered winter, spring and summer terms.

ES132L 1 credit
Emergency Medical Technician Part II Lab
Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs. Includes skills in patient assessment, basic airway management, trauma assessment and management, medication administration, and the use of automated external defibrillators (AED). Students will also be scheduled for observation time in an emergency department and on an ambulance. Prerequisite: Completion of ES131 and ES131L with a “C” or better. Corequisite: ES132. Offered winter, spring and summer terms.

ES268 3 credits
Emergency Service Rescue
Introduces elementary procedures of rescue practices, systems, components, support, and control of rescue operations. Includes techniques and tools of patient extrication and emphasizes their applications in traffic accidents as required for paramedic certification. Prerequisite: Some level of emergency training or background is suggested (e.g., emergency medical responder, EMT, firefighter, etc.). Offered fall and spring terms.

ENGR101 2 credits
Engineering Orientation I: Careers, Skills and Computer Tools
Introduces engineering curricula, career paths, ethics, problem solving, communication, and computer programming. The first in a three-term sequence is required for all areas of engineering. Prerequisite: MTH111L. Offered fall term.

ENGR102 2 credits
Engineering Orientation II: Careers, Skills and Computer Tools
Examines communication and problem-solving skills in engineering. The second in a three-term sequence is required for all areas of engineering. Prerequisite: ENGR101. Offered winter term.

ENGR103 2 credits
Engineering Orientation III: Careers, Skills and Computer Tools
Examines communication and problem-solving skills in engineering. The third in a three-term sequence is required for all areas of engineering. Prerequisite: ENGR102. Offered spring term.

ENGR201,201A 3 credits
Electrical Fundamentals w/Lab
Examines electrical theory laws. Includes circuit analysis of DC circuits; natural, step, and sinusoidal responses of circuits; and operational amplifier characteristics and applications. Students must enroll in lecture and laboratory sections. Prerequisite: MTH251L. Offered spring term.

ENGR211 3 credits
Statics
Analyzes forces induced in structures and machines by various types of loading. Prerequisite: PH211. Offered fall term.

ENGR212 3 credits
Dynamics
Explores kinematics, Newton's laws of motion, work-energy theorem, and impulse-momentum relationships as applied to engineering systems. Prerequisites: ENGR211. Offered winter term.

ENGR213 3 credits
Strength of Materials
Presents the concepts of introductory mechanics of materials. Topics addressed are the concept of stress, axial stress and strain, torsion, pure bending, transverse loading, transformations of stress and strain, design of beams and shafts for strength, deflection of beams, and columns. Prerequisites: ENGR211. Offered spring term.

ENG104 4 credits
Introduction to Literature (Fiction)
Provides a survey of important works of fiction by writers from different cultures and time periods. The course is designed to foster thoughtful interpretation, analysis, and appreciation of fiction. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall term.

ENG105 4 credits
Introduction to Literature (Drama)
Offers a survey of representative works of drama from different cultures and time periods. Course explores the nature of the dramatic experience with emphasis on understanding and appreciating live productions. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in spring term.

ENG106 4 credits
Introduction to Literature (Poetry)
Explores the artistic use of language and a world made larger through the vicarious experiences offered through poetic expression. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered winter term.

ENG107 4 credits
World Literature I
Surveys important works from the literature of early civilizations: Egyptian, Hebrew, Greek, Chinese, Indian, and Roman. Course is designed to foster thoughtful interpretation, analysis, and appreciation of literature. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall term.

ENG108 4 credits
World Literature II
Provides insights into the important works from India's Classical Age, China's Middle Period, 'the rise of Islam, the Middle Ages in Western literature, the Golden Age of Japan, and the Renaissance in Europe. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered winter term.

ENG109 4 credits
World Literature III
Introduces important works representing Enlightenment, romanticism in Europe and America, pre-modern Japan, 19th
ENG199 Variable credit
Special Studies: English
Covers a variety of specialized areas such as Shakespeare on stage. Course transfers only as elective credit. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG201 4 credits
Shakespeare I
Introduces Shakespeare's dramatic works with an emphasis on current theoretical approaches to his plays. Focuses on the plays themselves; however, students will also study performance history. The plays studied in this class are Shakespeare's comedies and romances. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG202 4 credits
Shakespeare II
Introduces Shakespeare's dramatic works with an emphasis on current theoretical approaches to his plays. Focuses on the plays themselves; however, students will also study performance history. The plays studied in this class are Shakespeare's histories. ENG201, ENG202, ENG203 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

ENG203 4 credits
Shakespeare III
Introduces Shakespeare's dramatic works with an emphasis on current theoretical approaches to his plays. Focuses on the plays themselves; however, students will also study performance history. The plays studied in this class are Shakespeare's tragedies. ENG201, ENG202, and ENG203 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

ENG204 4 credits
Survey of English Literature I
Provides a historical survey of important works from the literature of the British Isles from the fifth century through the Early Modern period. The course is designed to foster thoughtful interpretation, analysis, and appreciation of literature. ENG204, ENG205, and ENG206 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in spring term.

ENG253 4 credits
Survey of American Literature I
Provides a survey of American literature between the 1830s and the turn of the century, and includes such diverse forms as essays, journals, sermons, political documents, poetry and fiction. ENG253, ENG254, and ENG255 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in spring term.

ENG254 4 credits
Survey of American Literature II
Provides a survey of American literature between the 1830s and the turn of the century, and includes such diverse forms as essays, journals, sermons, political documents, poetry and fiction. ENG253, ENG254, and ENG255 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

ENG255 4 credits
Survey of American Literature III
Provides a survey of American literature between the early 1900s to the present. In many of the works, historical events such as World War I, the Great Depression, and World War II provide both background and subject matter for the artistic productions of the authors studied. ENG253, ENG254, and ENG255 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

ENG257 4 credits
African American Literature
Introduces literature of African Americans whose roots are in Africa. Emphasizes the period of post Civil War through the Harlem Renaissance. Covers the birth of the African American canon, post-war novels, short stories, poems, autobiographies, and plays. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

ENG260 4 credits
Introduction to Women Writers
Introduces literature by women and women-identified men. Emphasizes the Middle Ages period through the present. Covers "birth" of women's literary canon, treatises, short stories, autobiographies, novels, poems and plays. Literary magazines may be read to introduce early feminist and womanist literary criticism. Focuses on oral and written texts representing interests, aspirations, and experiences of women. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

ENG275 4 credits
The Bible as Literature
Studies the composition, stories, and themes of the Bible in order to deepen understanding of its meaning and influence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.
FRP200 1 credit
Initial Attack Incident Commander
Meets the training needs of the Incident Commander Type 4 (ICT4). The six instructional units include foundation skills, intelligence gathering and documentation, sizing up the incident, developing a plan of action, post-fire activities, evaluating incident objectives, and managing the incident. Evaluation of the student is by unit tests and performance-based evaluations. Students are expected to demonstrate effective foundation skills (leadership, risk management, and communications) at the ICT4 level. Prerequisite: FRP130 or FRP251.

FRP211 3 credits
Hiring Practices in the Fire Service
Covers methods of preparation for interviews, tips on appearance, language usage, and interaction. Practice interviews are followed with critique sessions and tips on identifying and eliminating weaknesses. Offered infrequently.

FRP215 3 credits
Fire Operations in the Wildland/Urban Interface
Meets training needs for initial attack incident commanders and company officers confronting wildland fire that threatens life, property, and improvements. Units include size-up, initial strategy and action plan assessment, public relations and follow-up, and safety. Meets National Wildland Coordinating Group standards for S-215 Fire Operations in the Wildland/Urban Interface. Prerequisite: FRP130.

FRP230 2 credits
Wildland Single Resource Boss
Produces student proficiency in the performance of duties associated with the single resource boss – crew position from initial dispatch through demobilization to the home unit. Topics include operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post incident responsibilities. Prerequisite: FRP231.

FRP231 1 credit
Wildland Engine Boss
 Produces student proficiency in the performance of the duties associated with engine boss, single resource (ENGB). Topics include engine and crew capabilities and limitations, information sources, fire size-up considerations, tactics, and wildland/urban interface. Prerequisite: FRP131.

FRP233 3 credits
Firefighter Safety and Survival
Introduces basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. Corequisites: FRP251. Offered winter term.

FRP238 3 credits
Public Education, Relations and Information
Presents the philosophy of PIER programs in the fire service as well as various aspects of marketing to achieve desired results. Includes information about various communication delivery methods including media relations and crisis communications. Offered infrequently.

FRP241 3 credits
Fire Prevention Inspections
Provides students with the knowledge and skills necessary to prepare for and perform effective fire prevention in a variety of occupancies. Meets Oregon Department of Public Safety Standards and Training #41-02 Fire Prevention Inspections. Offered infrequently.

FRP243 3 credits
Advanced Fire and Arson Investigation
Studies the use of detection equipment, identification of incendiary devices, electrical service deficiencies, common characteristics of a juvenile fire, reporting systems, and securing and controlling the fire scene. Prerequisite: FRP273. Offered infrequently.

FRP246 3 credits
Hazardous Materials I for Inspectors
Studies hazardous materials recognition, storage, handling, hazards, labeling, placarding, incident reporting, and safety precautions. Meets Oregon Department of Public Safety Standards and Training #41-05 Hazardous Materials I for Inspectors. Prerequisite: FRP260. Offered infrequently.

FRP249 3 credits
Fire Service Leadership
Examines management skills for mid-level supervisors in the fire service. Meets Oregon Department of Public Safety Standards and Training #35-13 Supervision and Leadership. Prerequisite: FRP251 or approval of instructor. Offered winter term.

FRP251, FRP251L 8 credits
Firefighter Level I and Lab
Introduces basic training including use of small tools and equipment, practice in forcible entry, use of breathing apparatus, salvage and overhaul techniques, and hose and ladder skills. Meets Department of Public Safety Standards and Training and National Fire Protection Association standards for NFPA1001. Offered full term and possibly spring term based on demand.

FRP252 4 credits
Firefighter Level II
Covers firefighting skills required to perform proficiently on the fire scene. Meets National Fire Protection Association 1001 Standards for Firefighter II. Prerequisite: FRP251 or equivalent. Offered full term.

FRP253 3 credits
Fire Apparatus Driver
Presents the most up-to-date information on fire apparatus and the techniques used to safely operate them. This course provides the practical, hands-on experience necessary for students to become safe and knowledgeable emergency vehicle operators. Prerequisite: FRP251 or equivalent. Offered full term.

FRP256 3 credits
Fire Behavior and Combustion
Assists students in gaining a solid understanding of the theories and fundamentals of how and why fires start and spread as well as how they are controlled. It will develop and enhance their knowledge of combustion reactions in solids, liquids, and gases. Students will demonstrate an understanding of English and System International (SI) measurements, the physical and chemical properties of combustion, terminology associated with fire and combustion, and demonstrate an applied knowledge of fire suppression and fire dynamics. This course meets Department of Public Safety Standards and Training #25-08 and #43-02. Corequisite: FRP251. Offered full term.

FRP258 3 credits
Pumper Operator
Covers hydraulic and fluid principles, friction loss, basic fire ground hydraulics, basic fire pump construction and operating principles, and fire hydrant operations. Combined with FRP259, meets Oregon Department of Public Safety Standards and Training and National Fire Protection Association #1002 Pump Operator. Prerequisites: FRP253. Offered winter term.

FRP259 3 credits
Water Supply Operations
Covers foam equipment and operations, drafting, sprinkler and standpipe connections, relay and tandem pumping, advanced fire ground hydraulics, apparatus service testing, and advanced troubleshooting and maintenance. Combined with FRP258, meets Oregon Department of Public Safety Standards and Training and National Fire Protection Association #1002 Pump Operator. Prerequisites: FRP253 and FRP258. Offered spring term.

FRP261 1 credit
Hazardous Materials First Responder Operations

FRP262 3 credits
Fundamentals of Fire Prevention
Presents the fundamentals of fire prevention including recognized standards, practices and procedures. Corequisites: FRP251/FRP251L. Offered winter term.

FRP264 3 credits
Building Construction for Fire Protection
Covers building classification and structural features, types of material used in buildings, flame spread and fire retardants, and representative fire loads. Meets Oregon Department of Public Safety Standards and Training #39-22 Building Construction and #42-01 Building Construction for Fire Protection. Offered spring term.

FRP269 3 credits
Aircraft Firefighting
Covers crash, fire, and rescue techniques for aircraft firefighting. Meets Oregon Department of Public Safety Standards and Training #17-04 Aircraft Forcible Entry and Ventilation; #17-05 Aircraft Scene Management-I; #17-11 Aircraft Familiarization; and #17-15 Aircraft Rescue. Offered infrequently.

FRP272 3 credits
Fixed Systems and Extinguishers
Studies portable and built-in extinguishing equipment including fire alarm and detection systems, sprinkler systems, and stand-pipe protection systems for special hazards. Meets Oregon Department of Public Safety Standards and Training #25-05 Fire Detection, Alarm, Extinguishing Systems, and #41-04 Fire Detection and Protection Systems. Offered winter term.

FRP273 3 credits
Fire Investigation
Provides an overview of basic fire investigation techniques, chemistry, laws, motives for arson, and interviewing witnesses and suspects. Corequisite: FRP251. Offered spring term.

FRP274 3 credits
Firefighting Strategy and Tactics
FRP280 Variable credit
Cooperative Work Experience/Fire Science
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

FRP282 3 credits
Introduction to Codes and Related Ordinances
Studies codes used in the fire service that provide students with the knowledge needed to perform company level fire inspections and ensure buildings in AHJ coverage area meet fire and life safety standards for both new and old construction types. Conquisite: FRP251. Offered fall term.

FRP283 1 credit
Followership to Leadership
Provides a self-assessment opportunity for individuals preparing to step into leadership roles. Combines classroom and field instruction with students working through a series of problem-solving events in small teams (Field Leadership Assessment course). Topics include leadership values and principles, transition challenges for new leaders, situational leadership, team cohesion factors, and ethical decision-making. Prerequisite: FRP130. Offered infrequently.

FRP285 3 credits
Fire Instructor I
Studies various instructional techniques and methodologies for teaching diverse learners, addresses critical issues of safety, and the legal aspects of training. Meets Oregon Department of Public Safety Standards and Training and National Fire Protection Association #1041 Instructor I. Offered summer term.

FRP286 3 credits
Fire Instructor II
Prepares participants for planning and developing all aspects of course curriculum including a needs analysis, task analysis, course goals and objectives, lesson plans, instructional support materials and media, and evaluation instruments. Meets Oregon Department of Public Safety Standards and Training and National Fire Protection Association #1041 Instructor II. Prerequisite: FRP285 or instructor approval. Offered infrequently.

FRP290 3 credits
Intermediate Wildland Fire Behavior
Prepares the prospective wildfire supervisor to undertake safe and effective fire management operations. It is the second course in a series that collectively serves to develop fire behavior prediction knowledge and skills. Prerequisite: FRP130.

FRP295 3 credits
Health and Fitness for Emergency Services Workers
Prepares students with the foundation needed prior to entering a program in emergency services, such as firefighting, paramedicine or law enforcement, by providing an overview of the key topics that promote a life of health and wellness in the emergency services field. Students are given the opportunity to assess their current lifestyles and their relationships to wellness, physical fitness, nutrition, and risk for illness/disease. With appropriate participation and study, students will finish the class with a firm understanding of community health issues and the relationship of lifestyle to health and longevity so as to plan realistic short- and long-term health goals. Fulfills health general education requirement within the Fire Science AAS degree. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall term or as demand requires.

FOREIGN LANGUAGE

Lower Division Transfer Courses

ASL101, ASL102, ASL103 4 credits each
First Year American Sign Language I, II, III
Emphasizes the development of expressive skills, receptive skills and cultural awareness. Primary focus is on the student’s active use of American Sign Language (ASL). Course includes visual readiness skills, ASL vocabulary, deaf culture, and ASL grammar. The 100-level sequence focuses on everyday communication in a conversational environment where grammar is introduced in context with an emphasis on developing question and answering skills. Prerequisite: RD30 or designated placement test score; ASL101 for ASL102; ASL102 for ASL103. Offered sequentially in fall, winter and spring terms.

FR101 4 credits
First Year French I
Introduces basic skills in French in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score. Courses must be taken in sequence. Offered fall term.

FR102 4 credits
First Year French II
Introduces basic skills in French in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score. Courses must be taken in sequence. Offered winter term.

FR103 4 credits
First Year French III
Introduces basic skills in French in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score. Courses must be taken in sequence. Offered spring term.

FR111 1-3 credits
Beginning French Conversation I
Reviews and increases French listening and speaking skills and cultural understanding. Emphasizes cultural values, fosters a sense of community and collaboration, improves communication skills in regard to the global community as well as the increasingly diverse local community. Students will demonstrate these skills corresponding to the novice mid- to novice high-level of the ACTFL (American Council on the Teaching of Foreign Languages) proficiency scale in the areas of speaking, listening, and culture. Includes reading, writing and grammar only when incidental to the focus on conversation. Prerequisite: FR102 or permission of instructor and RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

FR112 1-3 credits
Beginning French Conversation II
Reviews and increases French listening and speaking skills and cultural understanding. Emphasizes cultural values, fosters a sense of community and collaboration, improves communication skills in regard to the global community as well as the increasingly diverse local community. Students will demonstrate these skills corresponding to the novice mid- to novice high-level of the ACTFL (American Council on the Teaching of Foreign Languages) proficiency scale in the areas of speaking, listening, and culture. Includes reading, writing and grammar only when incidental to the focus on conversation. Prerequisite: FR102 or permission of instructor and RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

FR113 1-3 credits
Beginning French Conversation III
Reviews and increases French listening and speaking skills and cultural understanding. Emphasizes cultural values, fosters a sense of community and collaboration, improves communication skills in regard to the global community as well as the increasingly diverse local community. Students will demonstrate these skills corresponding to the novice mid- to novice high-level of the ACTFL (American Council on the Teaching of Foreign Languages) proficiency scale in the areas of speaking, listening, and culture. Includes reading, writing and grammar only when incidental to the focus on conversation. Prerequisite: FR102 or permission of instructor and RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

FR201 4 credits
Second Year French I
Reinforces, synthesizes, and builds on the basic skills acquired in first-year French in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. Students are required to communicate in French. Materials include literary and cultural texts, audio exercises, films, short videos, music, and contextualized exercises in structure. The sequence enables students to reach at least intermediate-mid proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Prerequisites: RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently), and two years of high school French or successful completion of FR103 or equivalent French experience. Courses must be taken in sequence.

FR202 4 credits
Second Year French II
Reinforces, synthesizes, and builds on the basic skills acquired in first-year French in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. Students are required to communicate in French. Materials include literary and cultural texts, audio exercises, films, short videos, music, and contextualized exercises in structure. The sequence enables students to reach at least intermediate-mid proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Prerequisites: RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently), and two years of high school French or successful completion of FR103 or equivalent French experience. Courses must be taken in sequence.
FR203 4 credits  
Second Year French III  
Reinforces, synthesizes, and builds on the basic skills acquired in first-year French in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. Students are required to communicate in French.

ITAL112 1-3 credits  
Italian Conversation II  
Reviews and increases Italian listening and speaking skills and cultural understanding. Emphasizes cultural values, fosters a sense of community and collaboration, improves communication skills in regard to the global community as well as the increasingly diverse local community. Students will demonstrate these skills corresponding to the novice mid- to novice high-level of the ACTFL. (American Council on the Teaching of Foreign Languages) proficiency scale in the areas of speaking, listening, and culture. Includes reading, writing and grammar only when incidental to the focus on conversation.

SPAN111 1-3 credits  
Spanish Conversation  
Reviews and increases Spanish listening and speaking skills and cultural understanding. Students will demonstrate these skills corresponding to the novice-mid to novice high-level of the ACTFL (American Council on the Teaching of Foreign Languages) proficiency scale in the areas of speaking, listening, and culture. Emphasizes cultural values, fosters a sense of community and collaboration, improves communication skills in regard to the global community as well as the increasingly diverse local community. It includes reading, writing and grammar only when incidental to the focus on conversation.

ITAL101 4 credits  
First Year Italian I  
Introduces basic skills in Italian in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score; WR114 or BT114 (may be taken concurrently); and two years of high school French, successful completion of FR103 or equivalent French experience. Courses must be taken in sequence.

ITAL102 4 credits  
First Year Italian II  
Introduces basic skills in Italian in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score; WR114 or BT114 (may be taken concurrently). Courses must be taken in sequence. Offered fall term in the years the sequence is scheduled.

ITAL103 4 credits  
First Year Italian III  
Introduces basic skills in Italian in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score; WR114 or BT114 (may be taken concurrently). Courses must be taken in sequence. Offered spring term in the years the sequence is scheduled.

ITAL111 1-3 credits  
Italian Conversation I  
Reviews and increases Italian listening and speaking skills and cultural understanding. Emphasizes cultural values, fosters a sense of community and collaboration, improves communication skills in regard to the global community as well as the increasingly diverse local community. Students will demonstrate these skills corresponding to the novice mid- to novice high-level of the ACTFL. (American Council on the Teaching of Foreign Languages) proficiency scale in the areas of speaking, listening, and culture. Includes reading, writing and grammar only when incidental to the focus on conversation.

SPAN101 4 credits  
First Year Spanish I  
Introduces basic skills in Spanish in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score; WR114 or BT114 (may be taken concurrently). Courses must be taken in sequence. Offered fall and winter terms.

SPAN102 4 credits  
First Year Spanish II  
Introduces basic skills in Spanish in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently). Courses must be taken in sequence. Offered spring and summer terms.

SPAN103 4 credits  
First Year Spanish III  
Introduces basic skills in Spanish in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. The sequence enables students to reach at least novice high proficiency as defined by the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). Courses are not suitable for heritage speakers. Prerequisites: RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently). Courses must be taken in sequence. Offered spring term.
GENERAL SCIENCE

Lower Division Transfer Courses

GS104 4 credits
Physical Science w/Lab
This is the first of the general science series and is a prerequisite to many other science courses. Studies the fundamental concepts and principles of physics. Includes topics in scientific reasoning and measurement, forces, motion, energy, gravity, mechanics, heat, electricity, sound, and light. Students must enroll in lecture and laboratory sections. Prerequisite: MTH60 or consent of instructor and RD30; MTH65 recommended.

GS105 4 credits
Physical Science: Chemistry w/Lab
Studies the fundamental concepts and principles of chemistry. Examines the development and application of the scientific method as it connects to the "turbine of the universe." Includes the structure of the atom and its nucleus, the elements and their relationships, chemical bonding, molecules, chemical reactions, acid and base reactions, and an introduction to organic chemistry. Students must enroll in lecture and laboratory sections. Prerequisite: GS104 or consent of instructor. Offered winter term.

GS106 4 credits
Physical Science: Earth Science w/Lab
Introduces various branches of earth science. Includes basic terminology, fundamental processes, and respective interrelationships. Includes rocks and minerals, the structure of the earth, water, geologic history, the atmosphere, weather, the solar system, stars, and introduces cosmology. Students must enroll in lecture and laboratory sections. Prerequisite: GS104 or consent of instructor. Offered winter term.

GS107 4 credits
Physical Science: Astronomy w/Lab
Discusses topics of astronomy including comets, moons, planets, stars, the sun, star galaxies, black holes, pulsars, and quasars. Students must enroll in lecture and laboratory sections. Prerequisite: GS104 or consent of instructor. Offered spring and summer terms.

GS108 4 credits
Physical Science: Oceanography w/Lab
Studies oceans and their phenomena. Focuses on the chemical, biological, and physical nature of ocean water, oceanographic instruments, the ocean floor and shorelines, and pollution. Students must enroll in lecture and laboratory sections. Prerequisite: MTH60 or designated placement test score. Offered summer term.

GS161 4 credits
Regional Field Studies
This introductory field study is held at various locations in Oregon including Crater Lake National Park or southeastern Oregon’s Albro Desert and Steens Mountains. Involves hiking, camping, traveling by car, and possible overnight stays. Uses both classroom preparation and site visitation to familiarize students with the geology and surrounding landforms. Discussions include the history of human influences on the area and the subsequent environmental effects. Students will design and submit research papers and multimedia projects for credit. Prerequisite: GS104 or consent of instructor. Offered summer term.

GS170 4 credits
Regional Field Geology
Field studies involve hiking, camping, traveling by car, and possible overnight stays. Offers introductory geologic field studies of specific Pacific Northwest regions. Involves both classroom preparation and site visits to familiarize students with the geology and surrounding landforms of the region being studied. Prerequisites: RD30 and WR30 or designated placement test scores. Offered summer term.

GS199 Variable credits
Special Studies: general Science
Offers individual and small group studies in a variety of science topics. May include ecological, biological, geological, and/or climatological emphasis.

GS280 Variable credits
Cooperative Work Experience/General Science
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

GEOLOGY

Lower Division Transfer Courses

G100 3 credits
Fundamentals of Geology
Studies the earth’s physical processes and properties with an emphasis on understanding the scientific theories behind the geological principles. Prerequisite: RD30 and WR30 or designated placement test scores.

G101 4 credits
Introduction to Geology I (Tectonics) w/Lab
Studies the earth’s internal structure and composition as well as the mechanics of plate tectonics. Covers the fundamentals of geology from the beginning of the solar system to the formation and interaction of continents and the ocean floor, igneous rocks including magmatic and volcanic processes, minerals, and the fundamentals of earthquake activity. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall term.

G102 4 credits
Introduction to Geology II (Surface Process) w/Lab
Studies the surface processes of geology and the interaction of the internal mechanisms of the earth’s dynamics. Covers the fundamentals of sedimentary and metamorphic rocks, their formation, and the surface processes that affect them. Includes the atmosphere, groundwater, running water, oceans, shoreline erosion, fossils, streams, ground water, and glaciers. Prerequisites: RD30 and WR30 or designated placement test scores; G101 recommended. Offered winter term.

G103 4 credits
Introduction to Geology III (Historical) w/Lab
Covers the history of the evolution of the earth through the ages. Studies the formation of the universe, the solar system, and the beginning of the earth. Looks at the fossil record, glaciers, arid lands, the earth’s resources, depositional environments, and the earth’s history. Special emphasis is given to the geology of southern Oregon and various provinces of the Pacific Northwest when possible. Prerequisites: RD30 and WR30 or designated placement test scores; G101 and/or G102 recommended. Offered spring term.

GRAPHIC DESIGN

Career and Technical Courses

GD120 3 credits
Digital Graphics Design
Introduces students to the concepts of graphic design and production by integrating design principles with software capabilities. Exercises include an introduction to the use of Adobe Photoshop, Illustrator and InDesign. Concepts in color, typography, logo design, page layout, package design, and Web page design are covered. Prerequisite: CS120 or documented proficiency. Offered fall and winter terms.

GD140 3 credits
Electronic Publishing Applications I
Introduces students to the computer software used in the development of page design and layout. Emphasis will be placed on the production of basic business publications including newsletters, fliers, brochures, etc. General principles of page layout design will be studied including the placement of
text, images, illustrations and logotypes, and the important synthesis of these elements. Prerequisite: CS120 or documented proficiency. Offered fall, winter and spring terms.

GD141 3 credits
Electronic Publishing Applications II
Emphasis is on the proper preparation of electronic pre-press files for spot-color, multi-color and process-color print production. Students will execute print projects using the computer to create pre-press files for print production. They will also examine many advanced printing techniques, multiple page document preparation and the proper methods for sending files to printers. Prerequisite: GD140. Offered winter term.

GD150 3 credits
Computer Illustration (Illustrator)
Develops competency in the creation of computer-generated illustrations. Includes instruction in creating vector graphics and techniques for logo design as well as brochure, book, magazine, and advertising illustration. Adobe Illustrator is currently the application used in this course. Prerequisite: CS120 or documented proficiency. Offered fall term.

GD160 3 credits
Digital Imaging (Photoshop)
Explores a wide range of digital imaging techniques from photo touch-ups to realistic scenes created from scratch.

Digital image creation and manipulation commands and operations will be covered. Design, publishing concepts, and terms will be discussed. Typical attention will be given to creating files for effective output whether for printed media or electronic. Adobe Photoshop is the application currently used. Prerequisite: CS120 or documented proficiency.

GD170 3 credits
Motion Graphics (After Effects)
Introduces Adobe® After Effects for 2D animation and visual effects for television. Students will learn the essentials of motion graphics including visual rhythm and kinetic typography. Through a series of lectures and assignments, students learn how to conceptualize and visualize motion graphic storyboards and develop methods of producing title sequences, television network identifications, music video effects, and Web-based graphic animations. Prerequisites: GD120, GD150 and GD160.

GD200 3 credits
Survey of Graphic Design History
Surveys the history of graphic design from the Industrial Revolution to the present. Studies graphic styles of the 20th century using the works of designers and illustrators who have influenced the continuing development of the discipline. Prerequisites: ART116, GD120 and WR121. Offered fall term.

GD220 3 credits
Digital Graphic Design II
Explores the communication of ideas and information through visual means. Students apply design process and principles, visual language, and the art of problem solving to finding creative solutions to complex visual communications problems. Various layout formats, the creative use of typography, concept origination and development are also addressed. Prerequisites: ART116, GD120, GD140, GD150, GD160 and WR121. Offered spring term.

GD223 3 credits
Digital Graphic Design III
Focuses on creative typography for visual communication and stresses the use of typography as a design and communication tool. Emphasis will be on formal design issues related to typography, composition, scale and proportion and the relationship of type, layout and color in two- and three-dimensional graphic design projects. Students will study the history and classifications of letterforms and employ this knowledge base in the creation of various typographical designs and presentations. Typical projects may range from letter and alphabet design to the use of typographical forms as the feature design elements in graphic designs or page layouts. Additional lab hours required. Prerequisites: GD220 and GD227. Offered fall term.

GD224 3 credits
Digital Graphic Design IV
Builds on basic concepts of graphic design and introduces systems of visual organization and composition for two- and three-dimensional design. Emphasis is on problem solving and idea generation skills to develop strong conceptual solutions. Students will gain experience solving complex visual communication problems through advanced design projects in logo design, package design, point-of-sale packaging and publication design. Additional lab hours required. Prerequisites: GD220 and GD227. Offered winter term.

GD227 3 credits
Production Graphics
Introduces students to the print production process with an emphasis on document preparation and production planning and management. Students will learn about the history of printing and the commercial printing process. The full range of the design-to-print process will be covered. Topics include paper selection, soliciting bids and preparing quotes, selecting printers, photographers and other suppliers, design editing, typography selection and copy-fitting, proper image preparation, understanding color models for print, proofing and editing, and binding and finishing techniques. Prerequisites: ART116, GD120, GD140, GD150, GD160 and WR121. Offered spring term.

GD229 3 credits
Digital Portfolio and Professional Practices
Discusses the opportunities in the various fields of Web and graphic design. Students will be guided in the preparation of digital portfolios of their work; in the development of resumes; a personal identity system for a business cards, letterheads and envelopes; and cover letters to prospective employers. Students will learn practical interviewing techniques, job search “netiquette,” and how to position themselves using online professional networking sites. The intent will be to prepare students to enter the design field with confident and professional attitudes. Prerequisites: GD224 or CS255w; GD230 must be taken concurrently. Offered spring term.

GD230 3 credits
Digital Graphic Design Studio
Advanced exploration of digital design with emphasis on creative problem solving, project management and professional practices. Students will learn to solve complex visual communication problems through projects in Web design, advertising campaign design and package design. Provides the opportunity to work collaboratively on special projects and includes in-depth study of digital design processes and procedures. Students pursuing AAS degrees in digital graphic design, digital Web design and Web development will be enrolled in the same section and working collaboratively to create and produce related promotional materials for print and Web. Prerequisites: GD220 and GD227. Offered spring term.

GD260 4 credits
Digital Imaging II: Advanced Photoshop
Continues student’s exploration of Adobe® Photoshop with in-depth attention to the efficient creation of graphics for web, print and mobile devices. Students learn powerful image manipulation techniques utilizing smart objects, filters, camera raw and vectors. Topics of emphasis include working with video, masks, channel manipulations, color management, Adobe® Bridge integration, advanced layer compositing, animation, new features and output. Emphasis is on utilization of effective design principles and exploration of industry-appropriate production tools. Additional lab hours required. Prerequisites: GD160. Offered spring term.

GD280 Variable credit
Cooperative Work Experience/Graphic Design
Cooperative Work Experience is an educational program that enables students to receive academic credit for on- and off-campus, experiential learning based on skills acquired in their program. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, students should complete this course within the last two terms of their certificate or degree. Prerequisite: Permission of CWE instructor.

HEALTH CARE

Career and Technical Courses

HC100 6 credits
Community Health Worker
Approved by the Oregon Health Authority, this course prepares students to be certified as community health workers in Oregon. Provides training in front-line public health care with an understanding and connection to the communities they serve. Also provides training in facilitating patient access to health and social services and to improve the quality and cultural competence of service delivery. Trains students to provide culturally appropriate health education and information, assist people in receiving the care they need, give informal counseling and guidance on health behaviors, advocate for individuals and community health needs, and provide some direct services such as first aid and blood pressure screening. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall and spring terms.

HC1120 3 credits
Introduction to the Health Care Industry
Explores the U.S. health system focusing on its historical development, current configuration, and possible future direction. Included will be the study of health system development, key influencers, accessibility, financing, changing components and the effects the system has on patients, providers, insurers, employers, government and insurers. Particular attention will be paid to the future direction of health care and what parts of the system are likely to change. Prerequisite: WR115 (may be taken concurrently) and the ability to use the Internet, email, and the Rogue Online course management system.

HC1210 3 credits
Legal Aspects of Medical Records
Focuses on the concepts of confidentiality, health care legislation, and regulations relating to the maintenance and use of health information in the U.S. health care system. Provides a foundation for studies in health care informatics including existing state and federal regulations that govern the use, disclosure, retention, and source of protected health information (PHI) in various roles and responsibilities within the health care system. Prerequisite: WR115. Offered winter and spring terms.
HE1255 3 credits
Introduction to Health Care Informatics
Introduces the discipline of health informatics including history, basic knowledge of health informatics, data management, vocabularies, standards and tools as applied in the support of health care delivery. Prerequisite: CS120 and WR115. Offered winter term.

HE1253 3 credits
Wilderness First Aid/CPR
Provides individuals with foundational first aid principles and skills to be able to respond to emergencies in areas without access to immediate emergency medical services. Highlights the importance of critical thinking and decision making and provides hands-on learning using delayed-help situations. Students are trained to deal with many situations that may be encountered in the wilderness or remote location. Training focuses on teaching students to assess situations, improvise solutions using available resources to stabilize patients, and identify the best way to get patients to definitive medical treatment. Includes an overview of wilderness issues and allows students to be certified in basic wilderness first aid and CPR with successful completion of the course (in effect for two years). Prerequisites: RD30 and WR30 or designated placement test scores and physical abilities to allow hiking and lifting equipment. Basic first aid knowledge and CPR is useful. Offered winter term.

HE259 3 credits
Care and Prevention of Athletic Injury
Introduces students to prevention, treatment, and management of athletic injuries. Basic musculoskeletal anatomy will be reviewed. Students will learn to assess, treat and rehabilitate various athletic injuries. Practical skill sessions for hands-on experience will be included in the course. Prerequisites: RD30 and WR30 or designated placement test scores; BI121 recommended. Offered winter term.

HE261 1 credit
CPR
Presents lecture and manikin practice in the principles of giving one- and two-person adult, child, and infant cardiopulmonary resuscitation; airway obstruction; and AED use. Successful completion leads to a Basic Life Support (BLS) Health Care Provider (HCP) card and certification.

HE280 Variable credit
Cooperative Work Experience/Health Science
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

HE2953 3 credits
Health and Fitness for Life
Prepares students with the foundation needed to be successful health/PE majors and in other majors as well. Dominant topics include disease projections, essential nutrients, behavior modification, body composition, strength and endurance training, cardio-respiratory health, flexibility, the mechanics of stress and stress relief, and relationship building. Students assess lifestyles, wellness, fitness, nutrition, and risk for illness/disease as part of the course. Prerequisites: RD30 and WR30 or designated placement test scores.
HUMAN DEVELOPMENT

Career and Technical Courses

HD75 2 credits
Special Studies in Career Development
Provides students with the forum in which to explore careers in various fields of study and/or in various career clusters.
Surveys techniques for marketing individual occupational skills.
Focuses on preparing for the job search process, writing a resume, interviewing techniques, and developing the interpersonal relationship skills necessary for a positive job attitude.
Course is graded on a pass/no pass basis. Course does not fulfill program requirements. Offered infrequently.

HD90 2 credits
Transition to College
Helps students develop basic planning and organizational skills for success in college classes.
Includes choosing appropriate classes.
Explores ways to finance education, identifies community and campus resources, and encourages development of personal support systems.
Prerequisites: RD30 and WR115.
Offered infrequently.

HD114 2 credits
Life Planning
Designed to provide students with a wide array of useful life planning and management tools.
During the course, students try each of the tools to test their applicability and value in managing their own circumstances.
As a final assignment, students select tools that are personally valuable and confirm their planned use beyond the course.
Prerequisites: RD30; BT113 or WR115 (may be taken concurrently). Offered infrequently.

HD116 2 credits
Human Potential
Challenges students to cross over the boundaries of various academic disciplines and learn to use their imaginations freely to synthesize information and reshape ideas into new possibilities.
Emphasis is on exploring and developing creative potential through art, drama, and writing.
Prerequisite: RD30 and WR30 or designated placement test scores. Offered winter term.

HD215 2 credits
Transfer Success
Prepares TRiO students for transfer to four-year colleges or universities.
Focuses on understanding different types of educational institutions, development of strategies for choosing a transfer institution and major, identification of resources to assist in the transfer process, and information for obtaining financial aid including scholarships.
Students will receive training in Career Information Systems (CIS) and use various school websites to aid in decision making.
Prerequisites: CS120 or BA131 (or demonstrated computer proficiency), and BT113 or WR115.

HUMAN SERVICES

Career and Technical Courses

HS100 3 credits
Introduction to Human Services
Provides general introduction to the field of human services and related helping professions.
Invites students to explore their own biases, values, and beliefs as they relate to choosing human services as a profession.
Course is designed for human services majors and for students wanting to learn about the field of human services.
It is a required class for any Human Services degree or certificate and is a prerequisite to practicum placement.
Prerequisite: Acceptance to the Human Services program. Offered fall term.

HS115 1 credit
Principles of Client Record Management
Familiarizes students with the key concepts of clinical documentation related to screening and intake processes, assessments, treatment plans, reports, progress notes, discharge summaries, and other client-related data.
Oregon Department of Human Services, American Society of Addiction Medicine, and other professionally relevant criteria will be introduced.
Students will learn to respect clients' right to privacy and confidentiality and to appreciate the importance of accurate, timely documentation and the necessity of safeguarding client records.
Prerequisite: Admission to the Human Services program. Offered spring term.

HS152 1 credit
Stress Management
Provides students an experiential learning experience geared to developing an understanding of their personal stress levels.
The course provides a variety of tools to develop stress management strategies.
Offered winter and spring terms.

HS155 4 credits
Interviewing Theory and Techniques
Provides theory and practice in basic counseling skills.
The course is based on the Carl Rogers active listening approach.
The course also helps students begin to think critically about their own counseling skills and to document the process in written format.
Prerequisites: HS100 and HS170 or permission of instructor. Offered winter term.

HS158 3 credits
Trauma-informed Care: Theory and Practice
Introduces students to the phenomenon of psychological trauma as well as the impact of physical trauma on the psychological functioning of individuals, couples, and families.
The course will include the history and current theories in the field, the nature of trauma, and its impact on the developing individual across various domains of functioning.
Also included in this class is a survey of emerging promising practices in the health-care field, including an exploration of the effects of working with trauma survivors on service providers and the unintended retraumatization of survivors by social service systems.
Students will explore the concept of trauma-informed care and be introduced to examples of trauma-informed systems.
Prerequisites: BT113 or WR115 or designated placement test score and PSY201 or permission of the instructor; PSY202 strongly recommended. Offered spring term.

HS170 3 credits
Introduction to Practicum
Provides background and specific skills needed to select and succeed in a practicum placement.
It also provides information and a foundation for employment in the human services field by helping students develop information and contacts with community agencies.
Prerequisite: Acceptance to the Human Services program. Offered fall term.

HS175 1 credit
Ethics for Counselors
Prepares students for ethical decision making in the human services field.
Includes study of selected professional codes of ethics.
Case studies will be used for additional practices and integration.
Prerequisite: HS100 or permission of instructor.
Offered winter term.

HS199 1-3 credits
Special Studies: Human Services
Presents special topics in human services including, but not limited to, adult children of trauma, drug and alcohol abuse among the elderly, client record management, and eating disorders.
Prerequisite: Acceptance to the Human Services program.

HS201 3 credits
Family Dynamics
Explores the dynamics of the family and its role in shaping the lives of its members.
It offers a framework of understanding the influences of family, focusing on both effective and maladaptive responses to stressors such as poverty, addictions, divorce, etc.
This understanding is central to the further study of how social services are designed and delivered to individuals and families in need.
It is a required course in the Human Services AAS degree program and an elective for human services transfer students.
Prerequisites: HS155, PSY201 and PSY202. Offered fall term.

HS202 3 credits
Counseling the Chemically Dependent Client I
Provides an overview of the scope of chemical dependency issues including demographics of alcohol and drug use, the brain and drugs, addiction definitions, theories and dynamics, treatment modalities, denial and other psychological defenses, counseling techniques, functions and techniques of interventions and confrontations, pharmacotherapy, countertransference, codependency dynamics, relapse dynamics, psychoeducation, and self-help.
Prerequisites: HS155 and CS243 or SOC243. Offered spring term.

HS204 3 credits
Counseling the Chemically Dependent Client II
Designed specifically as preparation for the Certified Alcohol Drug Counselor I (CADC I) test as offered by the Addiction Counselor Certification Board of Oregon (ACCBOR) in conjunction with the Association for Addiction Professionals (NAADAC).
Prerequisites: HS155 and HS202 or consent of instructor.
Offered infrequently.

HS210 3 credits
Motivational Interviewing
Introduces students to intentional interviewing as a foundation for developing basic counseling skills.
Focus will be on developing more intensive counseling skills with significant opportunity for hands-on practice.
Prerequisites: HS155 and HS202 or permission of instructor. Offered fall term.
HS260 4 credits
Group Counseling
Provides students with the theory and skills of group dynamics. Focuses on group formation, development of norms, conflicts and controversy, and performance and evaluation. Includes group leader competencies; skills and attitudes; therapeutic factors; group goals and structure; client screening stages; rules and client roles; phases of group, group problems and issues; opening and closing techniques; group ethics and client termination processes; the role of values, catharsis, transference and countertransference; self-disclosure; and working with a co-leader and counselor. Prerequisites: HS155, HS202, and HS210 or permission of instructor. Offered winter term.

HS261 Variable credit
Human Services Practicum and Seminar
Provides on-site clinical and community experience with human services organizations plus weekly seminars. Students are expected to arrange for a field placement with an approved agency prior to start of class. Seminars provide supervision and assist students to integrate field and classroom experiences and counseling skills. Prerequisites: HS155 and HS170 or permission of instructor.

HS265 3 credits
Counseling Theories
Introduces the theoretical concepts and practical applications of counseling intervention strategies for the beginning helping professional. Specific topics include the helper as a person and as a professional including values, attitudes and ethics; an understanding of cultural issues that create barriers to helping; and the counseling intervention models of psychoanalytical, Gestalt, existential, cognitive-behavioral, and family therapies. Prerequisites: HS155, HS202 and HS210. Offered spring term.

HS266 3 credits
Crisis Intervention Strategies
Part of a sequence of courses teaching theory and practice in assessment, intervention, and case handling strategies for the helping professional. Focuses on crisis situations including assessment of function and lethality, appraisal of the individual, intervention strategies, case management, referral resources, ethical and professional issues, and specific situational stressors which may lead to a crisis state. Emphasis is on defusing the crisis situation, enhancing mobility and self-determination, and ensuring the safety of the client and community. Suicide and other dangers to self and others are of particular concern as well as the personal and social implications of involuntary hospitalization, civil commitment, and follow-up treatment, including delayed stress reactions and other consequences of crisis events. Prerequisites: HS155 and HS210. Offered winter term.

HS268 3 credits
Co-occurring Disorders: Introductory Theory and Counseling
Provides entry-level scope and depth of information relative to those human services helpers working with clients with both a mental health and addictions diagnosis. Historical assessment and treatment processes as well as current state-of-the-art models and systems will be studied. Encourages students to examine personal perspectives, beliefs, concerns, anxieties, and attitudes about mental health and addictions concepts and dual diagnosis clients. Prerequisites: HS155, HS202 and HS210. Offered winter term.

HUMANITIES

Lower Division Transfer Courses

HUM101 4 credits
Introduction to Humanities I
Provides a survey of important achievements in a variety of disciplines as they emerged during the classical periods and the medieval era, in Europe and beyond: visual arts, architecture, literature, philosophy, religions, music, theater and criticism. This course covers the period from the first civilizations to the Middle Ages and is designed to help students trace the origin of the nature of human thought and creativity as they emerged and manifested themselves in the pre-industrial era. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall term.

HUM102 4 credits
Introduction to Humanities II
Provides a survey of important achievements in a variety of disciplines as they emerged during the Renaissance and the Age of Global Encounters: visual arts, architecture, literature, philosophy, religions, music, theater and criticism. This course covers the period from the Proto-Renaissance to the Age of Reason and is designed to help students trace the origin of the nature of human thought and creativity as they emerged and manifested themselves in the pre-industrial era. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered winter term.

HUM103 4 credits
Introduction to Humanities III
Provides a survey of important achievements in a variety of disciplines as they emerged during the periods of Romanticism and Realism and shaped the world of the twentieth century: visual arts, architecture, literature, music, philosophy, religions, theater and criticism. This course covers the period from Romanticism to the present and is designed to help students trace the nature of human thought and creativity, prepare them for further study and appreciation of the arts, and encourage them to look to the humanities for insights necessary to themselves and society. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered spring term.

HUM199 Variable credit
Special Studies in Humanities
Presents special studies in humanities through workshop, seminar, and independent study formats. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

HUM215 4 credits
Native American Arts and Cultures: First Nations of the Northwest Coast
Studies the art and culture of the native peoples of the Northwest Coast from the past to the present. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered on a rotating basis with other Native American Arts and Cultures classes.

HUM216 4 credits
Native American Arts and Cultures: Nations of the Plains
Studies the art and culture of the native peoples of the Great Plains from the past to the present. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered on a rotating basis with other Native American Arts and Cultures classes.

HUM217 4 credits
Native American Arts and Cultures: Peoples of Mexico
Studies the art and culture of the peoples of pre-Columbian Mexico from the past to the present. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered on a rotating basis with other Native American Arts and Cultures classes.

HUM218 4 credits
Native American Arts and Cultures: Peoples of Mexico
Studies the art and culture of the peoples of pre-Columbian Mexico from the past to the present. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered on a rotating basis with other Native American Arts and Cultures classes.

HUM280 Variable credit
Cooperative Work Experience/Internships
Cooperative work experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisite: Permission of instructor.

HUM299 13 credits
Special Studies: Humanities
Presents special topics of study in humanities through workshop, seminar, and independent study formats. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

INTERNATIONAL STUDIES

Lower Division Transfer Courses

IS110 4 credits
Introduction to International Studies I
Explores major cultures of the world with an emphasis on definition of culture, values, cross-cultural communication, and
eracocentrism. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently). Offered infrequently.

**IS111 3 credits**
Introduction to International Studies II
Investigates contemporary global problems with an emphasis on the ethics of development, environment, foreign policy, and societal change. Prerequisites: RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently). Offered infrequently.

**JOURNALISM**

Lower Division Transfer Courses

**J216 3 credits**
News Writing I
Provides instruction in reporting, interviewing, and writing skills as well as practical experience to understand the journalistic process, style, and format. Develops critical thinking and the skills of accurate news gathering, assembly, evaluation, and final writing on the student newspaper. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

**J217 3 credits**
News Writing II
Further develops the skills required for effective news gathering and writing learned in J216, providing an opportunity for students to practice these skills in actual reporting situations. Focuses on print journalism although reference will be made to broadcast journalism. Prerequisite: J216. Offered infrequently.

**J225 3 credits**
Introduction to Journalism
Develops writing, interviewing, and reporting skills for work on the student newspaper that lays the groundwork for further study. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

**J280 Variable credit**
Cooperative Work Experience/Journalism
Cooperative Work Experience is an educational program that enables students to receive academic credit for off-on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning that is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered infrequently.

**LANDSCAPE TECHNOLOGY**

Career and Technical Courses

**LAT107 3 credits**
Pest Control
Covers Oregon pesticide law, applicator licensing, and pesticide types and their applications. The toxicity nomenclature and the safety requirements to avoid personal and environmental exposures will be included. Common weed, insect, and disease pest characteristics will be addressed as well as the integrated pest management technique of pest control. Prerequisites: MTH20, RD30 and WR30 or designated placement test scores. Offered fall term.

**LAT110 3 credits**
Arboriculture
Studies the cultivation of trees and shrubs especially for ornamental purposes: where they grow, how they grow, why they grow, and our relationship with them as well as field identification and hands-on practice regarding proper planting and pruning techniques. Prerequisites: RD30 and WR30 or designated placement test scores. Offered infrequently.

**LAT111 3 credits**
Plant Identification I
Covers the terminology and structure of classifying and identifying plant materials. Over 100 ornamental trees, shrubs and ground covers are explored with a focus on the southern Oregon region. Classes are primarily held outdoors where students will identify plants by their common and Latin names. Field studies include collecting a sample of each plant to be included in an herbarium. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall term.

**LAT112 3 credits**
Small Engine Repair
Introduces the history and operating principles of combustion engines and provides maintenance tips and diagnostic procedures to keep engines running properly. Topics include port design, fuels and fuel metering systems, ignitions and spark testing, compression testing, leak-down testing, and basic rebuild-versus-replace process. Prerequisites: RD30 and WR30 or designated placement test scores. Offered winter term.

**LAT113 3 credits**
Turfgrass Management
Studies turfgrasses and their characteristics, uses, and management as primary ground covers. Includes the optimal, supportive environments of soils, irrigation, fertilization, pest control, and special management factors that result in good turfgrass cultural practices. Additionally, a comprehensive introduction to the selection, establishment, maintenance and renovation of turfgrasses will be reviewed. Uses of turf substitutes in unique situations will also be addressed as a problem-solving tool. Prerequisites: MTH20, RD30 and WR30 or designated placement test scores. Offered spring term.

**LAT115 3 credits**
Ecology of the Siskiyous
Introduces unique plant and animal communities found within the southern Oregon region. Explores the interdependence on minerals, climate, and other natural systems. The growth and development of human populations in relation to natural systems and how humans have made an impact on the natural ecosystems will be highlighted. Students provide their own transportation to off-campus field trips during which a moderate amount of walking on rough ground is necessary. Prerequisites: RD30 and WR30 or designated placement test scores. Offered summer term.

**LAT118 3 credits**
Oregon Native Plants
Provides information about plants native to Oregon and focuses on those that work well in sustainable landscapes and for restoring habitats that have been damaged by natural or human-caused events and situations. Also covers how to grow and market native plants. Course includes off-campus field trips. Prerequisites: RD30 and WR30 or designated placement test scores. Offered summer term.

**LAT120 3 credits**
Landscape Construction
Introduces the basic elements of construction. Establishes students’ capabilities in organizing, reading and comprehending fundamental project documents, specifications and procedures, and demonstrates how to apply that information to arrive at estimates, costs and bids. Includes site preparation and construction initiation. Prerequisites: MTH20, RD30, and WR30 or designated placement test scores. Offered fall term.

**LAT130 3 credits**
Arboriculture
Focuses on those that work well in sustainable landscapes and creating aesthetically pleasing sustainable landscapes. Classes are primarily held outdoors where students will identify plants by their common and Latin names. Field studies include collecting a sample of each plant to be included in an herbarium. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall term.

**LAT135 3 credits**
Irrigation Design
Presents the materials, equipment, and methodology used to design an irrigation system that will support various plant materials in landscaped areas. Principle emphasis will be given to residential landscapes, but larger, more expansive areas will also be reviewed. Prerequisites: MTH20, RD30 and WR30 or designated placement test scores. Offered summer term.

**LAT137 3 credits**
Landscape Management
Covers essentials of both business commitment and daily, fundamental maintenance activities. Includes general methods of site analysis, services costing and public relations. Assuming that the business has a client base, the course focuses on each maintenance activity as part of an overall maintenance program with considerations given to seasonal impacts and scheduling adjustments. Prerequisites: MTH20, RD30 and WR30 or designated placement test scores. Offered fall term.

**LAT142 3 credits**
Site and Landscape Planning
Introduces basic design principles, drawing skills, and plant selection techniques required to produce landscape plans for residential and commercial clients. Topics include landscape design principles, sketching and drawing skills, site analysis, plant and material selection, and the landscape design process. Prerequisites: RD30 and WR30 or designated placement test scores. Offered winter term.

**LAT180 Variable credit**
Cooperative Work Experience/Landscape Technology
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisite: permission of instructor.
LAT199 Variable credit
Special Studies: Landscape
Provides special interest courses that incorporate unique topics, interests, needs and desires as expressed by the local community and the landscape industry.

LIBRARY SCIENCE

Lower Division Transfer Courses

LIB127 1 credit
Introduction to Academic Research
Covers basic information literacy skills and concepts. Topics include barriers to effective research (Dunning-Kruger Effect and Zipf’s Principle of Least Effort), task definition and identifying options, selecting sources and refining the search process, and using information ethically. Students will also be introduced to a variety of public and subscription services. Given the online nature of this course, research resources and communication with the instructor will take place through the Internet. RD30 and WR30 or designated placement test scores.

LIB199 Variable credit
Special Studies: Library
Offers study in various library and research topics.

MANUFACTURING TECHNOLOGY

Career and Technical Courses

MFG101 3 credits
Introduction to Manufacturing
Surveys various manufacturing processes, materials, and possible career opportunities in manufacturing-related disciplines. Corequisite: MTH20 or RD30 or designated placement test scores. Offered fall term.

MFG116 2 credits
Machinist Technology
Studies methods by mechanical, electronic and optical methods related to industrial dimensional conformance requirements. Corequisite: MFG121 or equivalent. Offered fall, winter and spring terms.

MFG121 4 credits
Manufacturing Processes I
A three-term series designed to develop both an understanding of manufacturing concerns and limitations of industry as well as developing the hands-on skills needed for machining jobs in manufacturing. Covers basic manufacturing skills and machine tooling practices. Emphasizes safety, bench work, engine lathes, vertical and horizontal mills, precision grinding, tool room operations, and production work through a series of projects. Corequisite: MTH60 or equivalent; MFG121 recommended. Offered fall term.

MFG122 4 credits
Manufacturing Processes II
A three-term series designed to develop both an understanding of manufacturing concerns and limitations of industry as well as developing the hands-on skills needed for machining jobs in manufacturing. Covers basic manufacturing skills and machine tooling practices. Emphasizes safety, bench work, engine lathes, vertical and horizontal mills, precision grinding, tool room operations, and production work through a series of projects. Corequisite: MFG121 or approval of instructor.

MFG123 4 credits
Manufacturing Processes III
A three-term series designed to develop both an understanding of manufacturing concerns and limitations of industry as well as developing the hands-on skills needed for machining jobs in manufacturing. Covers basic manufacturing skills and machine tooling practices. Emphasizes safety, bench work, engine lathes, vertical and horizontal mills, precision grinding, tool room operations, and production work through a series of projects. Prerequisite: MFG121 or approval of instructor.

MFG140 2 credits
CNC Controls (Haas)
Designed to develop an understanding of the Haas VF-1 CNC Control. Basic functions and operating modes of the Haas control are covered. Prerequisites: MTH60 and MFG121 recommended. Offered fall, winter and spring terms.

MFG199 Variable credit
Special Studies in Manufacturing
A three-term series designed to develop both an understanding of manufacturing concerns and limitations of industry as well as developing the hands-on skills needed for machining jobs in manufacturing. Covers basic manufacturing skills and machine tooling practices. Emphasizes safety, bench work, engine lathes, vertical and horizontal mills, precision grinding, tool room operations, and production work through a series of projects. Prerequisite: MFG122 or approval of instructor.

MFG210 3 credits
AC/DC Electrical Systems for Manufacturing
Introduces the fundamentals of AC/DC electrical systems used for power and control in the manufacturing industry as well as commercial, agricultural and residential applications. Students learn industry-relevant skills in subject areas such as basic electrical circuits, circuit measurement, circuit analysis, inductance and capacitance, combination circuits, and transformers. Topics covered in subject areas will include but not be limited to: safety, electrical components and wiring, electronic test instruments, tools and fasteners, electrical units and nomenclature, and parallel/series-parallel circuits. Prerequisites: MTH60, MTH63 or higher level math; EET101 recommended. Offered fall, winter and spring terms.

MFG215 3 credits
Electrical Control Systems and Sensors for Manufacturing
Introduces the fundamentals of relay logic control circuits used in industrial, commercial and residential applications. Describes functions and application of functions covered in control logic including logic elements such as AND, OR, NOT, NOR, and NAND. Ladder diagrams are explained and learners connect, operate, and design a ladder diagram using one or more logic elements. Additional concepts include electro-pneumatic solenoid valves; sequencing control including relay operation, relay application, limit switch operation and application; and timers and advanced systems including time-delay relays, multiple cylinder control, and machine modes of operation. Electrical sensors teaches the operation of non-contact sensors and their applications in industry, such as sensing movement, detecting metal versus non-metal, and determining speed. This course covers sensors such as inductive, capacitive, magnetic reed, hall-effect and photoelectric. Prerequisites: MTH60, MTH63 or higher level math; EET101 recommended. Offered fall, winter and spring terms.

MFG220 4 credits
Research and Development Prototyping
A capstone project class that introduces the process of prototype development and design. Emphasizes the research and documentation required to take an idea from concept to production. Incorporates industrial design build team concepts. Designed prototypes are built in MFG225. Prerequisite: Second year standing in program. Corequisite: WR121. Offered fall, winter and spring terms.

MFG221 3 credits
Statistics and Quality Control
Introduces ISO 9000 concepts of basic gauging, inspection, elementary statistics, and statistical process control. Prerequisite: MET104 or equivalent. Offered fall term.

MFG230 3 credits
Cooperative Work Experience/Manufacturing
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.
MFG280S 1 credit
Cooperative Work Experience Seminar/Manufacturing
Presents an overview of the necessary employment documents to be competitive in the job market. Students will write a basic resume and cover letter, complete an employment application, participate in a mock interview, and develop an understanding of the importance of a professional image and work ethic. Students are expected to have completed most of their coursework toward a certificate or degree program and will be enrolled in CWE concurrently or in the following term.

MASSAGE THERAPY

Career and Technical Courses

MT100 2 credits
Massage I – Basic Swedish
Introduces students to the history, techniques, and procedures involved in giving a professional Swedish massage. Prerequisites: RD30 and WR30 or designated placement test scores. Corequisites: BI121 or BI231. Offered fall term.

MT101 2 credits
Asian Bodywork I
Introduces fundamental methods and the philosophical background of traditional Chinese medicines, Acupuncture and Shiatsu. Offered fall term.

MT102 2 credits
Massage II – Swedish Esalen
Emphasizes assessment, the philosophical and psychological aspects of massage and working with special populations. Prerequisites: MT100 and BI121 or BI231. Offered winter term.

MT103 2 credits
Massage III – Swedish
Prepares students for both the written and practicum examinations for state board licensure. Covers trigger point, deep tissue, reflexology, and side-lying massage techniques. Prerequisite: BI121 or BI231 and MT102. Offered spring term.

MT105 3 credits
Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients
Covers hydrotherapy modalities and education for massaging the elderly and cancer patients. Prerequisite: MT100. Offered winter term.

MT106 2 credits
Integrated Studies in Massage I – Upper Body
Provides an in-depth study of applications of massage on specific muscle groups, integrating musculoskeletal anatomy, pathology, acupressure, and basic Swedish massage techniques. Prerequisites: BI121 or BI231 and MT100 and MT108. Offered winter term.

MT107 2 credits
Integrated Studies in Massage II – Lower Body
Continues the study of applications of massage on specific muscle groups, integrating musculoskeletal anatomy, pathology, acupressure, and basic Swedish massage techniques. Prerequisite: MT106. Offered spring term.

MT108 4 credits
Kinesiology for Massage Therapists
Provides a thorough working knowledge of skeletal muscles, their relationship to the body, and their actions, functions, and precise locations. Prerequisite: RD30 or designated placement test score. Corequisite: BI121 or BI231. Offered fall term.

MT109 4 credits
Pathology for Massage Therapists
Provides students knowledge in the definitions of syndromes, symptoms, prognostics, treatment concepts, and contraindications for massage therapists. Prerequisites: BI121 or BI231; RD30 and WR30. Corequisite: BI122 or BI232. Offered winter term.

MT110 2 credits
Polarity Therapy
Covers the theory of energy flows in the human body and techniques for balancing energy. Offered infrequently.

MT111 2 credits
Sport Massage
Provides understanding of sports-related injuries and ailments. Hands-on application of sports massage techniques will be required. Prerequisites: MT100 and MT108; BI121 or BI231. Offered winter term.

MT112 2 credits
Massage for Pregnancy and the Infant/Child
Provides instruction in full-body massage that can be done in the side-lying position for pregnant women. This technique is also ideal for people with neck and back problems. Massage techniques for infants and children will also be covered as well as the importance of touch for children with special needs. Offered spring term.

MT113 2 credits
Myofascial Release
Teaches gentle and non-invasive techniques. Therapeutically works with restrictions in the fascia resulting in the reduction of pain and increased range of motion. Hands-on application is required. Offered spring term.

MT115 2 credits
Trigger Point Therapy
Provides instruction in the understanding of trigger points, the anatomical locations of the muscles that have trigger points and techniques to treat them. Hands-on application is required. Offered fall term.

MT116 2 credits
Massage Exam Review
Prepares students for the Oregon State Board of Massage exams required for licensing by reviewing entire year’s worth of study. Offered spring term.

MT117 1 credit
Body Maintenance for Massage Therapists
Provides knowledge and hands-on techniques to show how to recognize, prevent, and treat injuries for bodywork professionals. Students will learn how and why injuries happen and receive information that will help protect their own health and better understand their clients’ complaints. Offered fall term.

MT118 2 credits
Deep Tissue Massage
Provides knowledge and hands-on instruction in the theory of deep-tissue massage, anatomy of muscles and relevant structures, and treatment for pain symptoms throughout the body. Shows how deep tissue massage can provide instant results for patients suffering with pain due to musculoskeletal dysfunctions. Prerequisites: BI121 or BI231, MT108. Offered spring term.

MT119 2 credits
Introduction to Craniosacral Therapy
Introduces craniosacral therapy including palpation of the craniosacral rhythm at the listening stations, diaphragms and cranial structures. Students will learn the 10-point protocol of craniosacral therapy. Offered summer term.

MT120A,MT120B 3 credits
Business for Massage Therapists
Focuses on the concept of professionalism, ethics, boundaries, and the legal issues associated with massage/bodywork therapy. Also covers business practices, marketing, insurance, and record keeping for massage therapists. Offered spring term.

MT121 2 credits
Asian Bodywork II
Students will learn the fundamental methods and philosophical background of Ayurveda and Touch for Health. Introduces different styles and techniques of acupressure, Ayurveda and energy balancing. Prerequisite: MT101. Offered winter term.

MT130 2 credits
Polarity Therapy II
Designed to help polarity students become more effective and confident in assessing energy imbalances and applying the theory and polarity techniques to re-establish healthful energy flows throughout the body. A more in-depth study of the five elements, the Ayurvedic pulses, the chakras and the three gunas will be covered, how to assess them in an individual using both intuitive and rational faculties, and how to develop an appropriate treatment plan. Prerequisite: MT110. Offered infrequently.

MT180 Variable credit
Cooperative Work Experience/ Massage Therapy
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

MT180S 1 credit
Cooperative Work Experience/ Massage Seminar
Presents an overview of the necessary employment documents to be competitive in the job market. Students will write a basic resume and cover letter, complete an employment application, participate in a mock interview, and develop an understanding of the importance of a professional image and work ethic. Students are expected to have completed most of their coursework toward a certificate or degree program and will be enrolled in CWE concurrently or in the following term. Corequisite: Concurrent enrollment in MT180.

MT199 Variable credit
Selected Topics in Massage
Provides knowledge and hands-on instruction in the theory and techniques of new massage topics that have evolved.
Lower Division Transfer Courses (except where noted)

MTH20 4 credits

Pre-algebra
Reinforces skills in whole number, fractions, and decimals while introducing computation with rational numbers, exponents, order of operation, and the use of variables, expressions, formulas, and equations. Ratio and proportions, percent, and topics in measurement are also studied. Working with real data, formulas, and applications will be stressed. Course is graded on a pass/no pass basis. Course does not transfer. Prerequisite: Designated math placement test score; RD30 (may be taken concurrently). A scientific calculator is required.

MTH60 4 credits

Fundamentals of Algebra I
Beginning algebra introduces the study and application of real numbers, operations with real numbers, exponents, order of operations with linear expressions, mathematical modeling, solving linear equations, solving inequalities, methods of problem solving, rates, slope, graphs of lines, equations of lines, functions, and systems of linear equations. Working with real data, formulas, and applications will be stressed. Course is graded on a pass/no pass basis. Course does not transfer. Prerequisites: MTH20 and RD30 or designated placement test scores. A scientific calculator is required. There is a significant online component in this class.

MTH60R 1 credit

Fundamentals of Algebra I Recitation
For students concurrently enrolled in MTH60, this optional course provides more help with the material presented. Covers a review of MTH60 material and topics and concepts of particular difficulty presented in MTH60. Daily material is motivated by student involvement and timely MTH60 class topics. Course is graded on a pass/no pass basis. Course does not transfer. Prerequisite: MTH20 or designated placement test score. Corequisite: MTH60.

MTH63 4 credits

Applied Algebra I
Introduces the use of formulas and equations in an entirely practical and applied context. Topics include mathematical operations with real numbers, measurement, ratios, proportions, percentages, dimensional analysis, order of operations, solving equations numerically and symbolically, Pythagorean theorem, trigonometry, area, perimeter, surface area and volume. Course is graded on a pass/no pass basis. Course does not transfer. Prerequisites: MTH20 and RD30 or designated placement test scores. A scientific calculator is required.

MTH64 2 credits

Pharmacy Calculations
Teaches the calculations involved in the preparation and administration of pharmaceutical products. Topics include converting measurements, dosage calculations, dilutions, concentrations, dimensional analysis, flow duration, volume per hour, drip rates, and TPN milliequivalents. Prerequisites: MTH60 or MTH63, and RD30 or designated placement test scores, and acceptance into the Pharmacy Technician program. Offered winter term.

MTH65 4 credits

Fundamentals of Algebra II
Includes the study and application of exponents, polynomial operations, factoring polynomial expressions, solving polynomial equations, rational expression operations, and solving rational equations. Course is graded A through F. Course does not transfer. Prerequisites: MTH60 and RD30 or designated placement test scores. A graphing calculator is required. There is a significant online component in this class.

MTH65R 1 credit

Fundamentals of Algebra II Recitation
Designed for students needing additional help with MTH65. Course is optional. Graded on a pass/no pass basis. Course does not transfer. Prerequisite: Concurrent enrollment in MTH65. A graphing calculator is required.

MTH95 4 credits

Intermediate Algebra
Topics include the study and application of compound inequalities, rational exponents, simplifying radical expressions, solving radical equations, solving quadratic equations, graphing quadratic functions, relating exponential and logarithmic functions, and solving exponential and logarithmic functions. Course is graded A through F. Course does not transfer. Prerequisites: MTH65 and RD30 or designated placement test scores. A graphing calculator is required (instructor will be using the TI-83 or TI-84 graphing calculator in class). There is a significant online component in this class.

MTH95R 1 credit

Intermediate Algebra Recitation
Designed for students needing additional help with MTH95. Course is optional. Includes review of MTH65 material, using a graphing calculator, and focuses on topics and concepts of particular difficulty presented in MTH95. Graded on a pass/no pass basis. Course does not transfer. Prerequisite: Concurrent enrollment in MTH95. A graphing calculator is required (instructor will be using the TI-83 or TI-84 graphing calculator in class).

MTH96 4 credits

Applied Algebra II
Introduces the study and application of linear, quadratic, power, exponential, and logarithmic expressions and functions. Working with real data, the mathematics of curve fitting will be developed making extensive use of the graphing calculator. Course concludes the developmental mathematics sequence. Course is graded A through F. Course does not transfer. Prerequisites: MTH60 or MTH63 and RD30 or designated placement test scores. A TI-83 or TI-84 graphing calculator is required.

MTH105 4 credits

Introduction to Contemporary Mathematics
Designed for liberal arts students. Includes the study and application of logic and reasoning, problem solving, set theory, geometry, probability, statistics, and math of finance. May also include number theory, systems of equations and inequalities, matrices and determinants, counting theory, and number systems. Prerequisite: MTH95 or MTH96 and RD30 or designated placement test score. A scientific or graphing calculator is required (instructor will be using the TI-83 or TI-84 graphing calculator in class). There is a significant online component in this class. Offered fall, winter and spring terms.

MTH111 4 credits

College Algebra
Topics include linear functions and models, quadratic functions and models, graphing polynomials, rational and inverse functions, systems of equations, zeros of polynomials, exponential and logarithmic functions, and conic sections. Course is graded A through F. Prerequisites: MTH95 and RD30 or designated placement test scores. A scientific calculator is required (instructor will be using the TI-83 or TI-84 graphing calculator in class). There is a significant online component in this class.

MTH111R 1 credit

College Algebra Recitation
This is an optional course that can be taken concurrently with MTH111. Provides additional help with MTH111 concepts. Reviews MTH95 material and using the graphing calculator, and covers the topics and concepts of particular difficulty presented in MTH111. Prerequisites: MTH95 or designated placement test score and concurrent enrollment in MTH111.

MTH112 4 credits

Elementary Functions
Includes right triangle trigonometry, trigonometry of the unit circle, solving trigonometric equations, identities, the law of sines and cosines, vectors, parametric and polar equations. Course is graded A through F. Prerequisites: MTH95 and RD30 or designated placement test scores. A graphing calculator is required (instructor will be using the TI-83 or TI-84 graphing calculator in class). There is a significant online component in this class.

MTH112R 1 credit

Elementary Functions Recitation
This is an optional course that can be taken concurrently with MTH112. Provides additional help with MTH112 concepts. Reviews MTH95 material and using the graphing calculator, and covers the topics and concepts of particular difficulty presented in MTH112. Graded on a pass/no pass basis. Prerequisites: MTH95 or designated placement test score and concurrent enrollment in MTH112.

MTH199 1-4 credits

Special Studies in Mathematics
Presents special topics of study in mathematics through workshop, seminar, research, and/or independent study formats. Content varies according to department needs and student demand.

MTH211 5 credits

Fundamentals of Elementary Math I
w/Lab
Designed for students studying to be elementary/middle school teachers and is focused on creating a deep understanding and positive attitude toward mathematics. Topics include problem solving, set theory, number systems, whole number operations, mental math, and number theory. Course is graded A through F. Prerequisite: MTH95 or designated placement test score. A scientific calculator is required. There is a significant online component in this class. Offered fall term.

MTH212 5 credits

Fundamentals of Elementary Math II
w/Lab
Designed for students studying to be elementary/middle school teachers and is focused on creating a deep understanding and positive attitude toward mathematics. Topics include fraction operations, decimal operations, ratios, proportions, percents, integer operations, statistics and probability. Course is graded A through F. Prerequisites: MTH95 or designated placement test score and MTH211. A scientific calculator is required. There is a significant online component in this class. Offered winter term.

MTH213 5 credits

Fundamentals of Elementary Math III
w/Lab
Designed for students studying to be elementary/middle school teachers and is focused on creating a deep understanding and positive attitude toward mathematics. Topics include two- and three-dimensional shapes, measurement, volume, surface area, congruence, similarity, coordinate geometry, and transformational geometry. Course is graded A through F. Offered fall term.

MTH215
Prerequisite: MTH95 or designated placement test score. A scientific calculator is required. There is a significant online component in this class. Offered spring term.

**MTH244 4 credits**

**Descriptive Statistics**

Builds on the basic knowledge and skills learned in MTH243 and utilizes spreadsheet skills gained in CS125ss. Students will use Excel extensively to solve statistical problems. Emphasis is on the understanding and application of hypothesis testing, analysis of variance (ANOVA), correlation and regression, and Chi-square techniques. Designed to provide students with analytical skills they will need in upper-division business courses including accounting, finance, management and applied research. Course is graded A through F. Dual numbered as BA282. Prerequisites: BA131, MTH243, and RD30; CS125ss recommended. Offered winter, spring and summer terms.

**MTH251 5 credits**

**Calculus I (Differential) w/Lab**

Topics include limits, the derivative, and applications. Course is graded A through F. Prerequisite: MTH111 and MTH112 or designated placement test scores. A computer lab is required. A graphing calculator is also required (TI-83 or TI-84 graphing calculator is recommended). There is a significant online component in this class. Offered fall, winter and spring terms.

**MTH252 5 credits**

**Calculus II (Integral) w/Lab**

Topics include techniques of integration and applications and transcendental functions. Course is graded A through F. Prerequisite: MTH251 or consent of instructor. A computer lab is required. A graphing calculator is also required (TI-83 or TI-84 graphing calculator is recommended). There is a significant online component in this class. Offered fall, winter and spring terms.

**MTH253 5 credits**

**Calculus III w/Lab**

Topics include infinite series, polar coordinates, conics, parametric equations, and introduction to vectors. Course is graded A through F. Prerequisite: MTH252 or consent of instructor. A computer lab is required. A graphing calculator is also required (TI-83 or TI-84 graphing calculator is recommended). There is a significant online component in this class. Offered fall, winter and spring terms.

**MTH254 5 credits**

**Properties of Vectors w/Lab**

Topics include integration and differentiation of multivariable functions and vector calculus. Course is graded A through F. Prerequisite: MTH253 or consent of instructor. A computer lab is required. A graphing calculator is also required (TI-83 or TI-84 graphing calculator is recommended). There is a significant online component in this class. Offered fall, winter and spring terms.

**MTH256 5 credits**

**Differential Equations w/Lab**

First course in ordinary differential equations for science, mathematics, and engineering students. Includes first-order differential equations, linear second-order differential equations, and higher-order linear differential equations with applications. Additional topics include Laplace transforms, series solutions of linear differential equations, and systems of differential equations with applications. A computer lab is required. Prerequisite: MTH253 or instructor approval. A graphing calculator is also required (TI-83 or TI-84 graphing calculator is recommended). Offered summer term.

**MTH261 5 credits**

**Linear Algebra w/Lab**

Topics include line vectors, n-tuples, algebra of matrices, vector spaces, and linear transformations. Offered on demand only. Course is graded A through F. Prerequisite: MTH252. A computer lab is required. A graphing calculator is also required (TI-83 or TI-84 graphing calculator is recommended). Offered spring term.

**MTH280 5 credits**

**Variable credit**

**Cooperative Work Experience/Mathematics**

Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

**MECHANICAL ENGINEERING TECHNOLOGY**

**Career and Technical Courses**

**MET101 3 credits**

**Mechanical Drafting**

Introduces manual mechanical drafting techniques. Focuses on drawing layout, dimensioning standards, and sectional views through a series of practical problems. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall, winter and spring terms.

**MET104 3 credits**

**Applied Shop Practices**

Covers calculation, layout, and procedure standards in applied topics in manufacturing and machining technologies. An understanding of mathematical concepts is stressed in all topics ranging from general arithmetic processes to oblique trigonomentry, compound angles and numerical control. Offered fall, winter and spring terms.

**MET105 3 credits**

**Blueprint Reading - Mechanical**

Introduces blueprints using multi-view projection, sectional views, auxiliary views, title blocks, and drawing formats, which are the basis for all graphical communication in the manufacturing industry today. Knowledge of the techniques used on blueprints is necessary in the industry whenever descriptions of size, shape, and arrangement are used to produce, service, or sell a product. This course also introduces students to blueprint and drafting techniques which will be built upon with additional modules in the program. Dual numbered as WLD104. Prerequisite: MTH95 recommended. Offered fall, winter and spring terms.

**MET111 3 credits**

**Computer Aided Drafting I: Mechanical (Autodesk Inventor)**

Introduces students to the basic concepts of computer aided design (CAD) and drafting. These include but are not limited to set-up workspace, sketches, features, and drawings. Working in both two- and three-dimensions as well as in solids, students will learn the operating system, command codes, file menu, and symbol library of an industry standard, computer aided design and drafting system. Prerequisite: CS120 or equivalent. Corerequisites: MET101 and MET105 highly recommended. Offered fall, winter and spring terms.

**MET112 3 credits**

**Computer Aided Drafting II: Mechanical (Autodesk Inventor)**

Introduces students to advanced concepts of computer aided design (CAD) and drafting. These include but are not limited to advanced commands, thread creation, surfaces, advanced work planes, and stress analysis (FEA). Working in both two- and three-dimensions as well as in solids, students will learn the operating system, Inventor CAD environment, advanced tools and symbol library of an industry standard, computer aided design and drafting system. Prerequisite: MET111. Corerequisites: MET101 and MET105 highly recommended. Offered fall, winter and spring terms.

**MET113 3 credits**

**Computer Aided Drafting III: Mechanical (SolidWorks)**

Covers advanced techniques used in creating and modifying parametric, assembly-centric 3D models with Inventor. Exercises in this course develop extensive knowledge in the areas of part and assembly modeling, adaptive features, utilizing work groups, surface, managing data and the Engineer's Notebook. Exercises will include but are not limited to advanced commands and surfaces, advanced work planes, and advanced stress analysis (FEA). Working in both two- and three-dimensions as well as in solids, students will learn advanced multiple drawing and modification commands, create advanced three-dimensional solid models and assemblies, and apply industry standards in the preparation of technical mechanical drawings. Prerequisite: MET111 and MET112 or instructor approval; MET105 highly recommended. Offered fall, winter and spring terms.

**MET121 3 credits**

**Computer Aided Drafting I: Mechanical (SolidWorks)**

The first in a three-term series introducing students to the basic concepts of computer aided design (CAD) and drafting. Course studies will be completed using SolidWorks CAD software. Studies include set-up workspace, sketches, features, and drawings. Working in both two- and three-dimensions as well as in solids, students will learn the operating system, command codes, file menu, and symbol library of an industry standard, computer aided design and drafting system. Prerequisites: CS120 or equivalent; MET101 and MET105 highly recommended. Offered fall, winter and spring terms.

**MET122 3 credits**

**Computer Aided Drafting II: Mechanical (SolidWorks)**

The second of a three-term series, this course continues with the basic concepts of computer aided design (CAD) and drafting. Course studies will be completed using SolidWorks CAD software. Studies include set-up workspace, sketches, features and drawings. Working in both two- and three-dimensions as well as in solids, students will learn the operating system, command codes, file menu, and symbol library of an industry standard, computer aided design and drafting system. Prerequisite: MET111 and MET112 or instructor approval; MET105 highly recommended. Offered fall, winter and spring terms.
standard, computer-aided design and drafting system. Focus will be on sheet metal, weldments, and gears and gear-mates as used in manufacturing. Students have the opportunity to take SolidWorks CSWA (Certified SolidWorks Associate) exam at end of this term. Prerequisite: MET121 or department approval. Offered fall, winter and spring terms.

**MET123 3 credits**
**Computer Aided Drafting III: Mechanical (SolidWorks)**
The third course in a three-semester course, this is an elective in the Manufacturing Engineering Technology program. Students will use the techniques learned in MET121 and MET122 to reverse engineer an advanced part/project, creating solid models and modifying those models as needed, creation of assemblies, and industry standard mechanical drawings. Coursework will focus on continuing to develop techniques in preparing industry standard accurate, legible drawings and solid models. Students will have opportunity to take the SolidWorks CSWA (Certified SolidWorks Associate) exam at the end of the term. Prerequisite: MET122 or department approval. Offered fall, winter and spring terms.

**MET160 3 credits**
**Materials and Metallurgy**
Studies basic metallurgy as it relates to manufacturing processes. The course introduces the identification of ferrous metals and non-ferrous metals, as well as other materials used in the manufacturing industry. Study includes mechanical and physical properties, powder metallurgy, heat treatment, alloying, crystalline structures, effects of machining, casting processes, and testing processes. Prerequisite: MFG101 recommended. Offered winter term.

**MUSIC**

**Lower Division Transfer Courses**

**MUP142 1 credit**
**Chamber Orchestra**
Offers applied study and performance of chamber orchestra literature (Renaissance through Modern) in a small group atmosphere. Open to students and community members. Course may be repeated for up to 6 total credits. Prerequisites: Students must provide their own instruments and be able to read music.

**MUS101 3 credits**
**Music Fundamentals I**
Focuses on reading and writing basic music notation. Includes note names, scales, key signatures, overtone series, intervals, basic rhythms and meters, spelling triads and seventh chords, and basic ear training skills. Prerequisite: RD30 or designated placement test score. Offered in the spring term.

**MUS105 3 credits**
**Music Appreciation**
Introduces the history and repertory of music. Through guided listening, students will develop both an aural and an intellectual understanding of music while emphasizing the political, cultural, and scientific values that have shaped Western music. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in the summer term.

**MUS108 4 credits**
**Music in World Cultures**
Introduces music from various cultures with an international and cross-cultural perspective. Explores both commonalities and differences in how music is defined, valued, and utilized in many cultures around the world. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in the fall term.

**MUS111 4 credits**
**Music Theory and Aural Skills I**
Examines the fundamentals of tonal music including the overtone series, major and minor scales, keys, intervals, spelling triads and seventh chords, and harmonic analysis. Includes ear training (diction) and sight-singing skills using diatonic melodies in major keys in simple meter. Introduces solfège as a tool for sight singing. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently), and MUS101 or a basic knowledge of music fundamentals. Offered fall term.

**MUS112 4 credits**
**Music Theory and Aural Skills II**
Continues the examination of tonal music including harmonic analysis in a key/tonal context, harmonic progressions, realizing a figured bass, and part-writing procedures using a figured bass and soprano line. Continues dictation and sight-singing skills using diatonic melodies, dyads, and harmonies in major and minor keys using simple and compound meter. Prerequisite: RD30 or designated placement test score, MUS111 or permission of the instructor; WR121 (may be taken concurrently). Offered winter term.

**MUS113 4 credits**
**Music Theory and Aural Skills III**
Continues the examination of tonal music including harmonic analysis in a key/tonal context harmonic progressions, part-writing procedures, and realizing more advanced figured bass lines. Continues dictation and sight-singing skills using diatonic and chromatic melodies, dyads, and harmonies in major and minor keys. Prerequisite: RD30 or designated placement test score, MUS112 or permission of the instructor; WR121 (may be taken concurrently). Offered spring term.

**MUS131 2 credits**
**Class Piano I**
Offers elementary instruction covering the principles of piano playing to fit the needs of beginners in a class setting. A piano or keyboard is needed for practice. Offered fall, winter and spring terms.

**MUS132 2 credits**
**Class Piano II**
Offers elementary instruction covering the principles of piano playing to fit the needs of beginners in a class setting. A piano or keyboard is needed for practice. Prerequisite: MUS131. Offered infrequently.

**MUS133 2 credits**
**Class Piano III**
Offers elementary instruction covering the principles of piano playing to fit the needs of beginners in a class setting. A piano or keyboard is needed for practice. Prerequisite: MUS132. Offered infrequently.

**MUS135 2 credits**
**Beginning Hand Drums**
Provides students hands-on experience with a variety of hand percussion instruments from around the world. Students will learn basic techniques and rhythms to facilitate musical performances in a group setting. May be repeated up to 4 credits.

**MUS137 2 credits**
**Group Guitar – Beginning**
Covers the basic construction of the guitar, principles of tuning, maintenance, and treatment of the instrument. Also covered are key signatures, scales, primary chords and their structures, as well as finger picking methods, right hand picking styles and techniques specific to the guitar. Students will learn how to accompany solo and group singing, and learn skills needed to translate music and methods for solving problems common to guitar players. Course may be repeated for up to two terms (4 credits total).

**MUS138 2 credits**
**Group Guitar – Intermediate**
Enables students to create more complicated common style arrangements to folk, blues, and popular song styles by adding melody notes and bass runs to open chords. Students will also learn accompanying styles to a much broader range of song types, the use of more sophisticated chords and voicings, and the use of barred chords affording the guitarist the ability to play in any key. Course may be repeated for up to two terms (4 credits total).

**MUS199 Variable credit**
**Special Studies: Music**
Serves a variety of student needs and interests in keeping with the department’s mission to increase students’ literacy, critical thinking and self-awareness through music and to broaden their cultural awareness and values. May be repeated for up to six credits. Prerequisites: RD30 or designated placement test score; WR115 (may be taken concurrently).

**MUS201 4 credits**
**Introduction to Western Music**
Studies styles and historical contexts of music from antiquity to the present. No musical background is required. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall, winter and spring terms.

**MUS205 3 credits**
**History of Jazz**
Surveys jazz styles from its origins to the present as revealed through the study of the most innovative and influential artists.
of this uniquely American musical form. Emphasis is placed on building listening and comprehension skills through listening to jazz, in-class discussion of the music, class assignments, research, and reading of the text. Prerequisites: RD30 or designated placement test score; WR121 (may be concurrent). Offered fall and summer terms.

**MUS206 3 credits**

**Introduction to Rock Music**

Surveys rock music from its origins to the present as revealed through the study of the most innovative and influential artists of this American musical form. Emphasis is placed on building listening and comprehension skills through listening to rock, in-class discussion of the music, class assignments, research, and reading of the text. Prerequisites: RD30 or designated placement test score; WR121 (may be concurrent). Offered fall, winter and spring terms.

**MUS208 3 credits**

**Film Music**

Explores the capacity of music to enhance drama and affect our emotions in the medium of film and looks at different ways music has been used in film since the birth of cinema to the present. The course is focused around various themes, in keeping with the department mission to increase students’ literacy, awareness of cultures and different cultural values, critical thinking, and self-awareness. No prior knowledge of music or film history is necessary. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered winter and summer terms.

**MUS211 4 credits**

**Music Theory and Aural Skills IV**

Continues MUS111, 112 and 113. Offers students a clear and thorough introduction to the resources and practice of Western music with a focus on chromatic harmony as used in the common practice period through the 21st century. Students will realize four parts from a chromatic figured bass and analyze more advanced chord progressions, cadences, phrases and forms as used in the music of the masters. Students will also analyze various atonal styles of music. More advanced (chromatic) sight-singing and dictation exercises along with conducting exercises will be used. Prerequisite: MUS212 or equivalent knowledge. Offered spring term.

**MUS220 1 credit**

**Chorus**

Offers applied study and performance of choral music. Open to students and community members. Course may be repeated for up to 6 credits. Prerequisites: Musical ability and ability to read music.

**MUS261 4 credits**

**History of Western Music I: Ancient to Baroque**

Primarily for music majors, studies development of Western musical styles from antiquity through the Middle Ages, Renaissance and Baroque, to become familiar with the wide range of cultural diversity within the Western tradition. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently); MUS101 or knowledge of music fundamentals and the ability to read music.

**MUS262 4 credits**

**History of Western Music II: Classical and Romantic**

Primarily for music majors, studies development of Western musical styles from both the Classical and Romantic periods to become familiar with the wide range of cultural diversity within the Western tradition. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently); MUS101 or knowledge of music fundamentals and the ability to read music.

**MUS263 4 credits**

**History of Western Music III: 20th Century to Modern Day**

Primarily for music majors, studies development of Western musical styles from antiquity through the Late Romantic, Modern periods, and present day to become familiar with the wide range of cultural diversity within the Western tradition. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently); MUS101 or knowledge of music fundamentals and the ability to read music.

**MUS265 3 credits**

**History of Rock I: The Roots of Rock**

Provides students with an opportunity to explore the musical, social and cultural aspects of rock music from its pre-rock influences and its development through c.1963. Emphasis is placed on building listening and comprehension skills through listening to rock music, in-class discussion of the music, class assignments, research, and reading of the text. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall term.

**MUS266 3 credits**

**History of Rock II: Rock’s Golden Age**

Provides students with an opportunity to explore the musical, social and cultural aspects of rock music from its pre-rock influences and its development from 1964-1975. Emphasis is placed on building listening and comprehension skills through listening to rock music, in-class discussion of the music, class assignments, research, and reading of the text. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall term.

**MUS280 Variable credit**

**Cooperative Work Experience/Music**

Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

### NURSING

#### Lower Division Transfer Courses

**NRS110,NRS110C 9 credits**

**Foundations of Nursing – Health Promotion**

Introduces the learner to framework of the RCC and Oregon Consortium for Nursing Education (OCNE) curriculum with its focus on 10 competencies. The emphasis on health promotion across the life span 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, give and receive feedback about performance, and use reflective thinking about their practice as nursing students. Populations studied include children, adults, older adults and the family experiencing a normal pregnancy. Includes classroom/lab covering basic nursing procedures and clinical learning experiences in a variety of community settings and in hospital facilities. The clinical portion of the course includes practice with therapeutic communication skills and selected core nursing skills identified in the OCNE Core Nursing Skills document. Clinical experience is graded on a pass/no pass basis. Prerequisites: Completion of all prerequisites/preparatory courses (46 credits minimum) and formal acceptance into the RCC AAS Nursing program. This is a limited-entry program. Offered fall term.

**NRS111,NRS111C 6 credits**

**Foundations of Nursing in Chronic Illness**

Introduces assessment and common interventions (including technical procedures) for clients with chronic illnesses common across the life span in major multiple ethnic groups. The client and family’s “lived experience” of the condition is explored. Clinical practice guidelines and research evidence are used to guide clinical judgments in care of individuals with chronic conditions. Multidisciplinary team roles and responsibilities are explored in the context of delivering safe, high quality health care to individuals with chronic conditions (includes practical and legal aspects of delegation). Cultural, ethical, legal and health care delivery issues are explored through case scenarios.
and clinical practice. Case exemplars include children with asthma, adolescents with a mood disorder, adults with type 2 diabetes, and older adults with dementia. The course includes classroom and clinical learning experiences. Clinical experience is graded on a pass/no pass basis. Prerequisites: NRS110, NRS112, NRS230, NRS232; NRS231 and NRS 233 taken concurrently. Offered spring term.

NRS231 3 credits
Clinical Pharmacology I
Introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. It includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics as well as additional classes of drugs. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of pharmacology information, selecting and interpreting focused nursing assessments based on knowledge of pharmaco- physiological processes, teaching persons from diverse populations regarding pharmacological processes, and communicating with other health professionals regarding pharmaco- physiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I. Prerequisite: NRS232. Offered spring term.

NUTRITION

Lower Division Transfer Courses

NFM225 4 credits
Nutrition
Covers chemistry of nutrients, digestion, absorption, and utilization in the body. Studies optimal diets, diet fallacies, diet disorders, and how nutrition affects health and disease. Prerequisites: RD30 or designated placement test score; CHEM104 and BI211 recommended. Offered winter and summer terms.

OUTDOOR ADVENTURE LEADERSHIP

Lower Division Transfer Courses

OAL150 2 credits
Outdoor Living Skills
Introduces students to the art of preparing to camp in front or back country, presenting skills that are applicable to any environment and activity. Students will develop and apply skills in a range of environmental settings and will be prepared for future classes and experiences in the outdoors. The primary goal of this course is to learn the skills necessary to plan equipment and food for group trips as well as practice the skills of making informed choices in wilderness environments. Prerequisites: BT113 or WR115 or designated placement test scores and the ability to walk with a backpack containing personal gear. Offered fall term.

NRS110 2 credits
Nutrition
Introduces students to the fundamental concepts of principles of nutrition, including nutrition, diet disorders, and how nutrition affects health and disease. Prerequisites: RD30 or designated placement test score; CHEM104 and BI211 recommended. Offered winter and summer terms.

NRS112 2 credits
Nutritional Assessment and Management
Introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. It includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics as well as additional classes of drugs. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of pharmacology information, selecting and interpreting focused nursing assessments based on knowledge of pharmaco- physiological processes, teaching persons from diverse populations regarding pharmacological processes, and communicating with other health professionals regarding pharmaco- physiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I. Prerequisite: NRS232. Offered spring term.

NRS221, NRS221C 9 credits
Nursing in Chronic Illness II and End-of-Life
Builds on Nursing in Chronic Care I focusing on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision making skills. Evidence base is used to support appropriate focused assessments and effective, efficient nursing interventions. Life span and developmental 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 either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences. Clinical experience is graded on a pass/no pass basis. Prerequisites: NRS221. Offered winter term.

NRS222, NRS222C 9 credits
Nursing in Acute Care II and End-of-Life
Builds on Nursing in Acute Care I focusing on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision making skills. Evidence base is used to support appropriate focused assessments and effective, efficient nursing interventions. Life span and developmental 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 either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences. Clinical experience is graded on a pass/no pass basis. Prerequisites: NRS221. Offered winter term.

NRS224, NRS224C 9 credits
Integrative Practicum
Designed to formalize the clinical judgments, knowledge and skills necessary in safe, registered nurse practice. The faculty/clinical teaching associate/student triad model provides a context that allows the student to experience the nursing role in a selected setting, balancing the demands of professional nursing and lifelong learner. Analysis and reflection throughout the clinical experience provide students with evaluative criteria against which they can judge their own performance and develop a practice framework. Includes seminar, self-directed study and clinical experience. Required for AAS degree and eligibility for NCLEX-RN exam. Clinical experience is graded on a pass/no pass basis. Prerequisites: NRS221 and NRS222. Offered spring term.

NRS230 3 credits
Clinical Pharmacology I
Introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. It includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics as well as additional classes of drugs. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of pharmacology information, selecting and interpreting focused nursing assessments based on knowledge of pharmaco-physiological processes, teaching persons from diverse populations regarding pharmacological processes, and communicating with other health professionals regarding pharmaco-physiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I. Prerequisite: NRS232. Offered spring term.

NRS231 3 credits
Clinical Pharmacology II
This sequel to NRS230 Clinical Pharmacology I continues to provide the theoretical background that enables students to provide safe and effective nursing care related to drugs and natural products to persons throughout the lifespan. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of information, interpreting focused nursing assessments based on knowledge of pharmacokinetics and pharmacodynamics, developmental physiologic considerations, 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 pharmacologic class using an organized framework. Prerequisites: BI234 and NRS510 or instructor permission. Offered winter term.

NRS232 3 credits
Pathophysiological Processes I
Introduces pathophysiological processes that contribute to many different disease states across the lifespan and human responses to those processes. Includes the foundational concepts of cellular adaptation, injury, and death; inflammation and tissue healing; fluid and electrolyte imbalances; and physiologic response to stressors and pain as well as additional pathophysiological processes. Students will learn to make selective clinical decisions in the context of nursing regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I. Prerequisite: NRS232. Offered spring term.
OAL223 2 credits
Wilderness Navigation
Uses a classroom setting to preview and cover the types of land forms that will be seen in the wilderness to prepare students for understanding real life navigation complexes. Introduces students to wilderness navigation including how to orient, navigate, and route-find in a wilderness setting using maps, compass, altimeter and GPS. It also requires students to demonstrate competency in a field setting. Prerequisite: BT113 or WR115 or designated placement test scores. Offered spring term.

OAL250 3 credits
Foundations of Outdoor Adventure and Leadership
Introduces students to the history, philosophy, and styles in outdoor adventure leadership in contemporary society, with application to current trends and prospects for the future. Allows students to develop knowledge and a personal style of effective leadership and communication. Prerequisite: BT113 or WR115 or designated placement test scores. Offered winter term.

PHARMACY TECHNICIAN

Career and Technical Courses

PRX101 4 credits
Pharmacy Technician I
Introduces the basic concepts of the practice of pharmacy and the pharmacy technician’s role, including the history of pharmacy, the types of pharmacy settings, the language of pharmacy and drug classifications, the types and use of technology in the pharmacy setting, and basic concepts of health insurance billing as they relate to the pharmacy technician’s role. Prerequisite: Acceptance into the Pharmacy Technician program. Offered fall term.

PRX102 4 credits
Pharmacy Technician II
Builds on material learned in Pharmacy Technician I. Focus is on the pharmacy technician’s role in purchasing and inventory control, the behaviors expected of a professional pharmacy technician, the process of preparing, labeling, packaging, storing, and distributing medication, and the purpose, reason, and process for compounded and sterile medications. Prerequisite: PRX101. Offered winter term.

PRX123 2 credits
Legal and Ethical Issues for Pharmacy Technicians
Exposes the student to variety of legal and ethical dilemmas, helping students become more prudent and confident pharmacy technicians. Classroom content includes the legal system, the legal rights that define relationships between individuals, quality assurance, office protocol and patient records, and legal issues that affect employment. Prerequisite: Acceptance into the Pharmacy Technician program. Offered winter term.

PRX170 12 credits
Pharmacy Technician Practicum and Seminar
Provides hands-on clinical experience. Students work an average of 36 hours per week in a host site as part of the pharmacy team and experience first-hand the various operations within different pharmacy settings. Duties will be assigned according to students’ skill level and the work needs of the host site. Students will participate in three seminars during the term. Prerequisite: Acceptance into the Pharmacy Technician program and successful completion of all second term courses. Offered spring term.

PHILOSOPHY

Lower Division Transfer Courses

PHL101 4 credits
Philosophical Problems
Introduces basic questions of philosophy and some of the persistent philosophical problems. Students will explore some of the traditional solutions and given a base to provide their own set of answers. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall term.

PHL102 4 credits
Ethics
Develops the idea of humans as moral agents; provides critical consideration of various interpretations of the ideals and standards of moral conduct. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered winter term.

PHL103 4 credits
Critical Reasoning
Introduces the study of reasoning including the ability to recognize, analyze, criticize, and construct the main types of argument and proof. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in spring term.

PHL199 Variable credit
Special Studies: Philosophy
Explores major ideas and belief systems of the world and the extent to which individual values are shaped by cultures. Prerequisites: RD30 or designated placement test score as shown on current indicator chart; WR121 (may be taken concurrently).

PHYSICAL EDUCATION

Lower Division Transfer Courses

PE185 1 credit
Physical Education
Offers fitness and recreational activities in areas such as martial arts, physical fitness and conditioning, weight training, dance, aquatics, outdoor recreation sports, and individual, dual, and team sports.

PE185BA 1 credit
Backpacking
Teaches the skills to travel and camp with quality and style, whileexploring and respecting the wilderness. The skills necessary to plan equipment and food for group trips as well as the skills to make informed choices in a wilderness environment will be covered. Offered spring and summer terms.

PE185CC 1 credit
Snow Skiing/Snowboarding
Teaches the complete range of alpine skiing or snowboarding skills, from basic to advanced techniques, in small group settings of students based on ability levels. It is designed to help students achieve personal fitness goals, while having fun and interacting with others. Upon completion of this course students will show improvement in downhill techniques, develop the core; will also be used. Short discussions will cover the benefits of exercise, proper breathing and execution of exercises, the prevention and care of exercise-related injuries, and improving posture and flexibility. Students of all ability levels are welcome.

PE185J 1 credit
Pilates
Pilates is an exercise that enhances flexibility, core strength and coordination. Also improves breathing and lung capacity, muscle control, and balance through a system of controlled movements. Pilates is an effective method for reducing stress, increasing abdominal tone, and improving posture and flexibility. Students of all ability levels are welcome.

PE185K 1 credit
Core and Cardio
Offers a variety of methods to achieve a stronger core and greater cardiac performance. Step aerobics, weighted workout, kick boxing, circuit training, and interval training—are all set to music— are used to strengthen and increase metabolism, heart circulation, and lung capacity. Stretching; mat work; use of balls, weights and exercise bands to tone, strengthen, and develop the core; will also be used. Short discussions will cover the benefits of exercise, proper breathing and execution of exercises, the prevention and care of exercise-related injuries, diet, physiology, major muscles groups and body terms, and information related to health issues.

PE185L 1 credit
Lap Swimming
Fosters the development of cardiovascular health and increased strength and flexibility through aquatic and strength exercises. Emphasizes overall fitness and encourages students to swim and train at their own pace. Swim hours throughout the term can be scheduled around students’ schedules. Students set individual goals for swimming and strength training and strive to reach those goals over the course of the term.

PE185M 1 credit
Multi-level Aerobics
Consists of a high-energy, cardiovascular workout for men and women of all ages, sizes, and physical conditions using dance aerobics, step aerobics, kickboxing, and Latin craze as a foundation in the class. Geared to meet each student’s ability, needs and goals while strengthening the entire body to a music
workouts. Activities include muscular strength and endurance, cardiovascular endurance, body composition, and flexibility while keeping one foot on the floor at all times during aerobic segments. Benefits of exercise, proper execution of exercises, the prevention and care of exercise-related injuries, and major muscle groups and body terms are included.

**PE185N 1 credit**  
**Circuit Fitness Training**  
Provides students the opportunity to develop individual cardiovascular fitness, flexibility, and muscular strength and endurance through a range of group exercise activities. Circuit activities will rotate on a regular schedule. Short lecture sections will cover the benefits of exercise, proper breathing and execution of exercises, prevention and care of exercise-related injuries, diet, physiology, major muscles groups and body terms, and information on related health issues.

**PE185Q 1 credit**  
**Aquatics for Personal Trainers**  
Provides students with a solid foundation for working as personal trainers in the medium of water. The course provides a comprehensive approach to the fundamentals of physical fitness, weight loss, and functional movements that promote flexibility, movement, and a life of health and wellness in a pool setting. The course is designed to support students who would like to pursue a personal trainer certification, specifically the American Council on Exercise Personal Trainer. Prerequisites: PE185D and PE194.

**PE185R 1 credit**  
**Beginning Rock Climbing**  
Covers the basic skills needed to explore and respect the wilderness while perfecting the ability to climb rock faces safely. The skills necessary to plan equipment and make informed choices in a wilderness environment will be covered and include: equipment, knots, safety, training, stretching, skills and techniques, belaying, top rope anchors, rappelling, and team work. The course will include several venues and field trips for successful completion of the course. Offered spring term.

**PE185RC 1 credit**  
**Rock Climbing Adventure**  
Provides extended learning opportunities for students to challenge themselves while focusing on safety and teamwork. Focus is on both top rope and sport climbing on a wide variety of rock types and route difficulty levels. Introduction to traditional clean lead climbing methods will also be covered. Students will have extended opportunities to practice anchor evaluation, safety equipment usage, topographical reading, route finding, climbing skills, and teamwork. There will be a three-day, two-night climbing expedition. Prerequisite: PE185R or climbing experience. Offered summer term.

**PE185RR 1 credit**  
**River Rafting Adventure**  
Provides a unique outdoor adventure rafting various parts of the Rogue River based on the ACA’s Essentials of Rafting Curriculum Levels 1-3. The course is designed to heighten enjoyment of the river and its beauty, both as a spectator and as a participant of the rafting adventure in still waters up to Class I-II rapids. Includes the basic elements of river navigation, safety considerations, and paddling and stability techniques. Offered fall term.

**PE185SK 1 credit**  
**Sea Kayaking the Oregon Coast**  
Offers kayakers a unique outdoor adventure. Students will learn to maneuver sea kayaks in different environments in the ocean based on the ACA’s Essentials of Kayaking Curriculum, Levels 1-3. The course is designed to heighten enjoyment of paddling in the ocean to appreciate the beauty, both as a spectator and as a participant of the kayaking adventure. Students will learn the fundamental kayaking skills that provide lifelong recreational learning and fitness enjoyment. Includes the basic elements of ocean navigation, safety considerations, and paddling and stability techniques. Offered fall term.

**PE185T 1 credit**  
**Toning, Training and TRX**  
Provides students the opportunity to develop individual cardiovascular fitness, flexibility, and muscular strength and endurance through a range of individual and group exercise activities. Each class will begin with a warm-up including toning and dynamic stretching of all major muscle groups, followed by 40 to 55 minutes of activities that support functional movement and strength gains. The TRX band system, weights, steps, medicine ball, resistance bands, and stability balls are among the activities and equipment included.

**PE185W 1 credit**  
**Winter Survival and Snow Camping**  
Provides training and practical application of learning to deal with the extremes of winter and camping in the snow. Covers the many inherent challenges posed by the winter environment. Offered winter term.

**PE185WK 1 credit**  
**Whitewater Kayaking**  
Offers river runners a unique outdoor adventure. Students will learn to kayak various parts of the Rogue River based on the ACA’s Essentials of Kayaking Curriculum Levels 1-3. The course is designed to heighten enjoyment of the river and its beauty, both as a spectator of the river and as a participant in the kayaking adventure in still waters up to Class I-II rapids. Includes the basic elements of river reading, safety considerations, paddling techniques, and kayaking. The skills required to efficiently maneuver a kayak on rivers with Class I-II rapids. Offered summer term.

**PE194 2 credits**  
**Principles of Exercise Training and Conditioning**  
Provides students with a solid foundation in resistance training and program systems of conditioning. Core topics covered will be basic exercise physiology, biomechanics and applied kinesiology, muscular strength and endurance, flexibility, sport injuries, and emergencies. The American College of Sports Medicine (ACSM) text and manual are used to prepare students for personal trainer certifications. RCC is a national testing center for the American Council on Exercise (ACE) if students decide to sit for the comprehensive ACE Personal Trainer exam. Prerequisites: RD30 and WR30 or designated placement test scores and PE185D. Offered winter term.

**PE199 Variable credit**  
**Special Studies: Physical Education**  
Offers selected topics of study in physical education through workshop and field study format.

**PE264 2 credits**  
**Fundamentals of Personal Training**  
Provides students with a solid foundation in the basic principles and techniques for physical fitness assessments including cardiovascular endurance, blood pressure, joint flexibility, body composition, strength training program design, and systems of conditioning. The core topics covered will be health screening, testing and evaluation, informed consent, field test protocols, data interpretation, and exercise prescription for the apparently healthy population. Special populations of physically challenged, pregnant and postpartum women, and mature adults will also be included. The American College of Sports Medicine (ACSM) text and manual are used to prepare students for personal trainer certifications. RCC is a national testing center for the American Council on Exercise (ACE) if students decide to sit for the comprehensive ACE Personal Trainer exam. Prerequisites: RD30 and WR30 or designated placement test scores and PE185D. Offered winter term.

**PE280 Variable credit**  
**Cooperative Work Experience/Physical Education**  
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisites: PE194; PE264 or HE239 (may be taken concurrently); and permission of instructor or department chair.

**PE290 2 credits**  
**Fitness Instructor**  
Trains students in the skills needed to conduct a variety of group exercise classes. Course content includes the practical application of cardiovascular and neuromuscular exercise science, leadership and teaching skills, behavior modification and motivation, choreography and pattern development, class structure and components, and practical sessions. Course prepares students for the option of pursuing an American Council on Exercise, Group Fitness Instructor certification. RCC is a national testing center for the American Council on Exercise allowing students to easy access to the comprehensive exam. Prerequisites: RD30 and WR30 or designated placement test scores. Offered spring term.

**PE291 2 credits**  
**Read Cross Lifeguard Training**  
Provides training for potential lifeguards in lifesaving skills in the event of an emergency. Includes a three-year Red Cross Lifeguard training certification and a two-year CPR/AED professional rescue certification with successful completion of the course. Through videos, group discussion, and both hands-on and pool practice, students will learn surveillance skills, patron rescue, first aid and CPR/AED. Prerequisites: Must be at least 16 years old and meet strong swimmer requirements. Offered spring term.

**PE292 2 credits**  
**Red Cross Water Safety Instructor**  
Prepares individuals to teach various levels of swimming instruction. Prerequisites: Must be at least 16 years old and a strong swimmer.
PHYSICS

Lower Division Transfer Courses

PH201 5 credits
General Physics I w/Lab and Recitation
Non-calculus based physics that deals with fundamental principles of physics from classical to modern theory. Sequence is for students who require an in-depth understanding and working knowledge of physics. Students must enroll in lecture, laboratory, and recitation sections. Prerequisites: MTH111 and WR115; MTH112 recommended. Offered fall term.

PH202 5 credits
General Physics II w/Lab and Recitation
Non-calculus based physics that deals with fundamental principles of physics from classical to modern theory. Sequence is for students who require an in-depth understanding and working knowledge of physics. Students must enroll in lecture, laboratory, and recitation sections. Prerequisites: MTH111 and WR115; MTH112 recommended. Offered winter term.

PH203 5 credits
General Physics III w/Lab and Recitation
Non-calculus based physics that deals with fundamental principles of physics from classical to modern theory. Sequence is for students who require an in-depth understanding and working knowledge of physics. Students must enroll in lecture, laboratory, and recitation sections. Prerequisites: MTH111 and WR115; MTH112 recommended. Offered spring term.

PH211 5 credits
General Physics (Calculus Based) I w/Lab and Recitation
For engineering and physics majors. Studies vectors, mechanics, dynamics, and analog to sound, heat, fluids, and oscillation, and an introduction to electricity and magnetism. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: MTH111 and MTH251; MTH252 highly recommended. Offered fall term.

PH212 5 credits
General Physics (Calculus Based) II w/Lab and Recitation
For engineering and physics majors. Studies vectors, mechanics, dynamics, and analog to sound, heat, fluids, and oscillation, and an introduction to electricity and magnetism. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: MTH112. Corequisites: MTH252; MTH253 highly recommended. Offered winter term.

PH213 5 credits
General Physics (Calculus Based) III w/Lab and Recitation
For engineering and physics majors. Studies vectors, mechanics, dynamics, and analog to sound, heat, fluids, and oscillation, and an introduction to electricity and magnetism. Students must enroll in lecture, laboratory, and recitation sections. Prerequisite: MTH112. Corequisites: MTH252; MTH254 and MTH261 recommended. Offered spring term.

POLITICAL SCIENCE

Lower Division Transfer Courses

PS199 Variable credit
Special Studies: Political Science
Explores special topics in political science using a seminar format.

PS201,202,203 3 credits each
U. S. Government I, II, III
Provides a general introduction of the socio-political processes in the United States and includes an historical overview of American democracy and political culture, the Constitution and the road to ratification, federalism, civil liberties, and people and politics (PS201). Examines the concepts and principles of the American political system including federal, state, and local government structures, and from the work represented (PS202). A general survey/overview of the political process at the state and local level with an emphasis on Oregon law, constitution, and current local political issues (PS203). Courses need not be taken in sequence. Prerequisite: BT113 or WR115 or designated placement test score. PS201 offered fall term, PS202 in winter term, and PS203 in spring term.

PS226 3 credits
Civic Engagement and Community Leadership
Explores concepts of community and civic engagement by exploring how relationships are strengthened and communication is nurtured among members of society, and how this contributes to a civic identity that promotes socially conscious thought and action. Students attending this academy will actively and constructively work to be more civically engaged. Community leadership, interpersonal communication, group dynamics, partnerships, public speaking, project development, and group decision making will be explored. An important goal of this course is to help students prepare as leaders in community agencies, non-profit organizations and for a lifetime of responsible citizenship and civic engagement. This course includes a community-based learning project. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall term.

PS280 Variable credit
Cooperative Work Experience/Political Science
Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

PRACTICAL NURSING

Career and Technical Courses

PN101,PN101C 11 credits
Practical Nursing I
Covers the practical nurse's contributions to the nursing process and legal and ethical issues within the PN scope of practice. Practical nursing skills, pharmacology and medication administration, communication skills, growth and development across the life span, and selected medical-surgical content are covered. Clinical application occurs in the skills lab and a long-term care setting. Skills lab/clinical course is graded on a pass/no pass basis. Prerequisites: MTH105 or higher math level, NA101 or OSBN CNA certification, BI121 and BI122 with lab (or BI231, BI232 and BI233 with labs), CPR, CS101 or CS120 or documented computer proficiency, WR121, and acceptance into the Practical Nursing program (see this catalog for detailed information and September application deadline). Course may not transfer. Offered winter term.

PN102,PN102C 12 credits
Practical Nursing II
Continues application of the nursing process and practical nursing scope of practice to content in selected medical-surgical areas including peripertative, cardiovascular, endocrine, respiratory, mental health, and gastrointestinal disorders. Within the organizing framework of the concepts of the individual, society, health, and the nursing process, an integrated approach is used that considers pathophysiology, diagnostic testing, fluid and electrolyte balance, nutrition, pharmacology, psychosocial and spiritual needs, and culture across the lifespan. Nursing care provided by the student in clinical situations takes place in long-term care and in the acute-care medical-surgical and perioperative settings, with specialty experiences. Clinical course is graded on a pass/no pass basis. Prerequisites: PN101 and PN101C. Course may not transfer. Offered spring term.

PN103,PN103C 12 credits
Practical Nursing III
Continues the application of the nursing process and practical nursing scope specific to foundations of oncology, hematology, immunology, and the road to ratification, federalism, civil liberties, and people and politics (PS201). Examines the concepts and principles of the American political system including federal, state, and local government structures, and from the work represented (PS202). A general survey/overview of the political process at the state and local level with an emphasis on Oregon law, constitution, and current local political issues (PS203). Courses need not be taken in sequence. Prerequisite: BT113 or WR115 or designated placement test score. PS201 offered fall term, PS202 in winter term, and PS203 in spring term.

PSYCHOLOGY

Lower Division Transfer Courses

PSY101 3 credits
Psychology of Human Relations
Focuses on the practical application of psychology in everyday situations. Topics include self-concept, emotions, needs,
values, healthy relationships, interpersonal communications, and behavioral change. The course provides students an experiential opportunity to develop an understanding and awareness of themselves and others, and a variety of practical tools for the development of interpersonal skills. Emphasis is on becoming a more effective member of the human community. Prerequisite: BT113 or WR115 or designated placement test score.

**PSY119 4 credits**

**Psychology of Personal Growth**

Introduces the psychology of abnormal behavior and its possible causes, along with an examination of the history and modern practice of mental health treatment. Discusses the diagnosis, etiology, and therapy of emotional disturbances and behavior disorders. Prerequisites: BT113 or WR115 or designated placement test score; PSY201 and PSY202.

**PSY228 4 credits**

**Introduction to Positive Psychology**

Introduces students to theories and research in psychology that examine topics relevant to the nature of happiness and psychological well-being. Psychology has focused much of its efforts on the treatment of human problems. To balance this paradigm, positive psychology calls for research on what promotes human fulfillment and human potential. Its most basic assumption is that human goodness and excellence are as important as disorder and human flaw. Topics covered in will include the nature, history and future of positive psychology, research methods, authenticity, joy, happiness, positive thinking, emotional intelligence, intuition, character strengths, core values, virtues, talents, health and social justice. Prerequisite: BT114 or WR121 or designated placement test score. Offered fall, winter and spring terms.

**PSY231 3 credits**

**Human Sexuality**

Introduces the student to the many physiological, psychological, sociological, and cultural influences on sexual behavior. The course provides the foundation in both scientific and pragmatic terms to further one’s understanding and acceptance of sexuality within the context and environment in which one lives. Emphasis is placed on knowledge, self-acceptance and tolerance of others’ sexual expression. There will also be a study of atypical sexual behavior, deviance, aggression and victimization. Prerequisite: BT113 or WR115 or designated placement test score. Offered fall, winter and spring terms.

**RD115 3 credits**

**Speed Reading for College**

Teaches an effective speed-reading process. The goal is for students to improve reading rate, vocabulary and comprehension. It also develops skills needed to become a more intelligent reader and a more accomplished college level student. These skills include efficient reading habits such as speed studying and speed reading; recognition of writing structures of fiction and various types of non-fiction; and inferential and critical reading. Prerequisite: RD30 or designated placement test score or college-level reading skills. Offered winter and summer terms.

**RD116 3 credits**

**College Vocabulary**

Adds significantly to students’ reading, writing, and speaking vocabularies, fosters an interest in words, and offers strategies for vocabulary development throughout life. Students will study word elements that hold the key to understanding English words. The vocabulary presented in this class will be practical, contextual, and relevant for all college students. Attention is given to application of spelling and vocabulary to college, personal success and future employment. Prerequisites: RD30 and WR30 or designated placement test scores. Offered fall and winter terms.

**RD120 3 credits**

**Critical Reading and Thinking**

Develops students’ ability to think logically, solve problems, identify values, and understand various reasoning processes using a variety of sources. Students improve the quality of their reading and thinking by applying elements of reasoning and intellectual standards. In this skill-building course, students will critically evaluate complex issues from a variety of sources and develop lifelong critical reading and thinking skills. Prerequisites: RD30 and WR30 or designated placement test scores. Offered winter and summer terms.

**REL201 4 credits**

**World Religions**

Surveys major religions of the world, comparing histories, differences, and similarities. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered in spring term.

**REL243 4 credits**

**Nature, Religion and Ecology**

Explores how different religious traditions and the cultures influenced by them view nature and the place of humankind within the natural environment. Native, Asian, and Western traditions are examined, as are contemporary eco-spiritual thinkers and movements. Class discussion for the students to apply the material in current social and personal contexts will be an integral part of the course. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently). Offered fall and winter terms.
SOC204 4 credits
Introduction to Sociology
Surveys theories and findings of sociology, including culture, individuals and groups, socialization, stratification and social control. It is designed to acquaint students with the social forces that impact the lives of individuals. Close attention is paid to social class, gender, and race as they impact life experiences. Focus is primarily on U.S. and Western societies, with some cross-cultural comparisons. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: BT113 or WR115 or designated placement test score.

SOC205 4 credits
American Society
Examines the organization of various social institutions such as family, education, religion, politics, health care, criminal justice, media and economics, and analyzes how each are changing. Each social institution is examined in relation to how inequalities by social class, gender and race manifest, and how these inequalities are perpetuated. Social change and social movements are also studied. Fulfills cultural literacy requirement within the AAOT degree. Prerequisite: BT113 or WR115 or designated placement test score.

SOC211 3 credits
Social Deviance and Social Control
Examines deviance and social control from a sociological perspective, showing how deviance is relative to cultural norms. Includes how deviant identities and subcultures are formed, and types of deviance that have a positive impact on society. Covers crime and punishment, white-collar crime, family violence, sexual variance, drug subcultures, cults, and social activism leading to positive social change. Prerequisite: BT113 or WR115 or designated placement test score; SOC204 recommended. Offered spring term.

SOC213 4 credits
Race and Ethnicity in the U.S.
Examines the various social, political, economic and legal forces affecting diverse racial and ethnic groups in the U.S. This includes an analysis of American history, families, housing, education, employment and immigration patterns, and racial and ethnic interactions. Includes a focus on the interaction of race, gender and social class and on social movements to counter inequalities. Prerequisite: BT113 or WR115 or designated placement test score.

SOC218 4 credits
Sociology of Gender
Introduces sociological perspectives on gender. Central themes include the social construction of gender, socialization, changes and continuities in gender norms and identities, the body, globalization and the connections between gender, power and inequality. Emphasizes the ways in which gender intersects with race, class and social orientation. Focuses primarily on U.S. and Western societies with some cross-cultural material. Fulfills cultural literacy requirement within the AAOT degree. Prerequisite: BT113 or WR115 or designated placement test score. Offered fall and winter terms.

SOC221 4 credits
Juvenile Delinquency
Presents a philosophical, historical, and practical survey of juvenile justice administration in the U.S. In the context of an interdisciplinary framework, theories, factors, and characteristics of delinquency will be presented and treatment and delinquency prevention programs will be surveyed. Dual numbered as CJ201. Prerequisites: RD30; BT113 or WR115 or designated placement test score.

SOC225 4 credits
Social Problems
Introduces students to various social problems in the U.S. from a sociological and global perspective. Some of the social problems covered may include social inequality, food, environmental and health issues, crime and deviance, problems in the family and poverty. A focus on solutions will include a study of public policies employed by various societies. Major theories of sociology are introduced and applied. Prerequisite: BT113 or WR115 or designated placement test score. Offered spring and summer terms.

SOC228 4 credits
Environment and Society
Examines the relationship between societies and the environment including how cultural, social, economic and political forces have impacted the earth and natural environment. Explores the causes and consequences of topics such as population growth, consumerism, global warming, pollution and environmental racism and classism. An emphasis will be placed on the study of social movements, cultures and public policies that advance sustainability. The focus is primarily on U.S. and Western societies, with some cross-cultural material. Prerequisite: BT113 or WR115 or designated placement test score. Offered winter and spring terms.

SOC230 4 credits
Introduction to Gerontology
Introduces students to the field of gerontology and explores the relationships between aging individuals and society. Prerequisite: BT113 or WR115 or designated placement test score. Offered fall and spring terms.

SOC235 4 credits
The Chicano/Latino Historical Experience
Examines the diversity that resides within the Chicano, Mexican, Latino, Hispanic and Caribbean cultural experience in the Americas from pre-Columbian times to the present. The curriculum covers pre-Columbian heritage, Spanish colonization, American conquest in the Mexican-American War and the Spanish American War, the Mexican’s role in American labor, the bracero program, and the Chicano movement. The class will provide a framework for understanding the ways in which distinctive social and cultural patterns arose, thus bringing awareness of contemporary expressions of identity and their historical origins. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: BT113 or WR115 or designated placement test score. Offered winter term.

SOC237 4 credits
Communication, Relationships and Technology
Introduces students to the personal and social perspectives of communicating through technology and focuses on the implications of computer-mediated communication. Current themes and theories that focus on the use of technology to communicate within relationships and to gain access to resources such as health care and education are introduced and applied. A variety of topics will be explored, including online relationships, social interactions, the workplace, Web-based instruction, impression management, therapy and health care. Concepts such as ethics, confidentiality, accessibility, identity, trust, and global implications will be explored. Prerequisites: BT113 or WR115 or designated placement test score. Offered fall and spring terms.

SOC243 4 credits
Drugs, Crime and Addiction
Introduce students to the dynamics of drug and alcohol addic-
relationships. The focus is on a relational view of communication. Examines the role of interpersonal communication in human behavior in relation to the criminal justice system. Theoretical approaches to explaining crime, criminal statistics, typologies, and victimology will be assessed. The influence of crime theory on public policy will be explored. Dual numbered as CJ101. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores.

**SOC244 4 credits**

Introduction to Criminology

Offers an interdisciplinary perspective of crime and criminal behavior within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test scores; SP111 and WR121 recommended.

**SOC280 Variable credit**

Cooperative Work Experience/ Sociology

Cooperative Work Experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

**SP100 3 credits**

Basic Communication

Offers a basic overview of the communication discipline and emphasizes the skills development of best communication practices in different contexts. Topics to be covered include intra- and interpersonal communication, small group processes, non-verbal communication, culture, and public expression. Prerequisites: RD30 or designated placement test score; WR115 (may be taken concurrently).

**SP111 4 credits**

Fundamentals of Public Speaking

Introduces public speaking that is designed to help students overcome nervousness when speaking before a group, learn the steps involved in speech preparation and delivery, and improve skills in analyzing and evaluating the speeches of others. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

**SP115 4 credits**

Introduction to Intercultural Communication

Provides an overview of communication from an intercultural perspective. Students will learn how culture impacts social identities, communication behaviors, and meaning. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 or BT114 (may be taken concurrently).

**SP218 4 credits**

Interpersonal Communication

Examines the role of interpersonal communication in human relationships. The focus is on a relational view of communication—one that explores how relationships are created, negotiated, maintained and terminated. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

**SP280 Variable credit**

Cooperative Work Experience/ Speech

Provides work-related experience and studies in selected occupational environments.

**STERILE PROCESSING TECHNICIAN**

Career and Technical Courses

**SPT101 4 credits**

Sterile Processing I

Introduces the basic concepts of the practice of sterile processing and the sterile processing technician’s role, the language of sterile processing, the types and use of instruments in the surgical setting, and basic concepts of anatomy, physiology, microbiology, and infection prevention that form the building blocks for advanced study in sterile processing. Prerequisite: Acceptance into the Sterile Processing Technician program. Offered fall term.

**SPT102 4 credits**

Sterile Processing II

Builds on material learned in Sterile Processing I. Focus is on the sterile processing technician’s role and the behaviors expected of a professional sterile processing technician. Prerequisite: SPT101. Offered winter term.

**SPT123 2 credits**

Legal and Ethical Issues for Sterile Processing Technicians

Exposes students to a variety of legal and ethical dilemmas, helping students become more prudent and confident sterile processing technicians. Classroom content includes the legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. Prerequisite: Acceptance into the Sterile Processing Technician program. Offered fall term.

**SPT170 12 credits**

Sterile Processing Technician Practicum and Seminar

Provides hands-on clinical experience. Students work an average of 36 hours per week in a host site as part of the sterile processing team and experience first-hand the various operations within a variety of settings where sterile processing is done. Duties will be assigned according to students’ skill level and the work needs of the host site. Students will participate in three seminars during the term. Prerequisites: Acceptance into the Sterile Processing Technician cohort and successful completion of all second term courses. Offered spring term.

**THEATER ARTS**

Lower Division Transfer Courses

**TA141 4 credits**

Fundamentals of Acting I

Introduces methods and techniques of acting as an art form. Scene work is included and performance is a part of advanced classes.

**TA142 4 credits**

Fundamentals of Acting II

Introduces methods and techniques of acting as an art form. Scene work is included and performance is a part of advanced classes.

**TA143 4 credits**

Fundamentals of Acting III

Introduces methods and techniques of acting as an art form. Scene work is included and performance is a part of advanced classes.

**TA144 4 credits**

Improvational Theater I

Acquaints students with improvisation through exercises, theater games, and impromptu scenes.

**TA145 4 credits**

Improvational Theater II

Acquaints students with improvisation through exercises, theater games, and impromptu scenes. Instructor permission is needed to register.

**TA146 4 credits**

Improvional Theater III

Acquaints students with improvisation through exercises, theater games, and impromptu scenes. Instructor permission is needed to register.

**TA153 4 credits**

Theater Rehearsal and Performance

Provides experience in rehearsing and performing plays. Course may be repeated for a maximum of 12 credits.

**TA190 1-3 credits**

Theater Practicum

Allows students to receive credit for working on college theater productions. Students will be required to participate in a formal theater production in one or more of the following areas: acting, stage or house management, technical theater, directing, marketing, costume and/or make-up. Participation during the theater event is required for credit. Course may be repeated up to 6 credits. Prerequisite: permission of instructor.

**TA199 Variable credit**

Special Studies: Theater Arts

Presents selected topics of study in theater arts including theater for the deaf, communication through drama, children’s theater, and directing.

**TA280 Variable credit**

Cooperative Work Experience/Theater

Cooperative work experience is an educational program that enables students to receive academic credit for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program.

**TRANSPORTATION AND TRUCK DRIVING**

Career and Technical Courses

**TD101 2 credits**

Introduction to Commercial Truck Driver Training

Provides an overview of the transportation industry and the knowledge and skills necessary to successfully pass the Oregon DMV General Knowledge and Combination Vehicle tests. Prerequisites: RD30 and WR30 or designated place-
WLD104 3 credits
Blueprint Reading - Mechanical
Introduces blueprints using multi-view projection, sectional views, auxiliary views, title blocks, and drawing formats which are the basis for all graphical communication in the manufacturing industry today. Knowledge of the techniques used on blueprints is necessary in the industry whenever descriptions of size, shape, and arrangement are used to produce, service, or sell a product. This course also introduces students to blueprint and drawing techniques which will be built upon with additional modules in the program. Dual numbered as MET105. Prerequisite: MTH63 recommended. Offered fall, winter and spring terms.

WLD111 6 credits
Technology of Industrial Welding I
Covers the fundamentals of welding as required by the metal fabrication industry. Welding students are also introduced to the principles of electric and gas welding and cutting.

WLD111D 6 credits
Technology of Industrial Welding for Diesel
Covers the fundamentals of welding required by the metal fabrication industry. Diesel students will be introduced to the principles of electric and gas welding and cutting.

WLD112 6 credits
Technology of Industrial Welding II
Covers the advanced techniques in welding mild steel, stainless steel, aluminum, and exotic metals using the flux cored arc welding (FCAW) and gas metal arc welding (GMAW) processes. Also introduces students to the American Welding Society (AWS) certifications and employment in the welding/fabrication industry.

WLD111M 6 credits
Technology of Industrial Welding for Manufacturing
Covers the fundamentals of welding required by the metal fabrication industry. Manufacturing students will be introduced to the principles of electric and gas welding and cutting.

WLD112 6 credits
Technology of Industrial Welding II
Provides students with further instruction in the advanced techniques in welding mild steel, stainless steel, aluminum, and exotic metals using the flux cored arc welding (FCAW) and gas metal arc welding (GMAW) processes on mild steel. Fitting joints to AWS D1.1 specifications will also be introduced at this time. Prerequisite: WLD101 or permission of instructor.

WLD113 6 credits
Technology of Industrial Welding III
Allows students to work towards mastery of gas metal arc welding (GMAW) and flux cored arc welding (FCAW) on both ferrous and non-ferrous materials in all positions. Also includes application of the American Welding Society’s entry-level requirements (AWS EG2.0 and AWS QC10) utilizing the instructor’s experience, and in accordance with the American Welding Society AWS D1.1 Structural Welding Code – Steel. Students receive instruction in fit-up and alignment of parts to assemble various weldments and pipe joints, and the basic procedures of planning, sketching, cost evaluation, ordering, layout, metal preparation, part fabrication, tack-up, and final welding will be introduced and applied. Offered fall, winter and spring terms.

WLD211 6 credits
Technology of Industrial Welding V
Focuses on welding large and small diameter, ferrous and non-ferrous pipe using the SMAW, GMAW, and GTAW welding processes. Includes pattern development, machine and manual oxyacetylene cutting, plasma cutting, layout, fit-up, inspection, and testing techniques. Also advances skills needed for American Welding Society certification and employment in the welding/fabrication industry. Prerequisite: WLD101, WLD112, WLD113 or permission of instructor.

WLD212 6 credits
Technology of Industrial Welding VI
Focuses on welding large and small diameter, ferrous and non-ferrous pipe using the SMAW, GMAW, and GTAW welding processes. Includes pattern development, machine and manual oxyacetylene cutting, plasma cutting, layout, fit-up, inspection, and testing techniques. Also advances skills needed for American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) certifications and employment in the welding/fabrication industry. Prerequisite: WLD212 or permission of instructor.

WLD220 3 credits
Machine Tool Maintenance and Repair
Focuses on troubleshooting problems commonly encountered in welding and fabricating equipment. Students will learn basic electrical principles and apply them to simple repair tasks on welding power sources. Removal and replacement of mechanical components on welding equipment and shop equipment (hand saws, drills, press, etc.) will round out the student’s ability to function independently in the shop setting. Prerequisite: MTH60, BT111 or WR121, and WLD113. Offered infrequently.
WLD221 3 credits
Welding Codes, Procedures and Inspections
Studies the differences between various welding codes e.g., American Welding Society D1.1 Structural Steel, ASME Section IX Power Piping, API Pipeline, and others. Focuses on welding procedure specification (WPS), procedure qualification record (PQR), and welder qualification record (WQR). Covers visual inspection, destructive, and non-destructive testing of welds in accordance with the American Welding Society D1.1 and D1.4 welding codes. Prerequisites: BT113 or WR115 and MTH20 or higher level math. Offered fall term.

WLD225 3 credits
Industrial Metallurgy
Introduces the effects welding and its related processes have on the basic ferrous and non-ferrous metals students will encounter in their field. Students will develop an understanding of basic metal production, alloying, heat treating and material identification systems. Prerequisites: MTH60 and WLD113. Offered spring term.

WLD230 4 credits
Introduction to Applied Motion
Introduces industrial hydraulics pneumatics and basic drive systems. Students will learn hydraulic and pneumatic principles, basic system design, and interpretation of schematics. They will develop a basic understanding of power transmission systems including pulley ratios, chain and sprocket selection, bearing types, and reducers. Prerequisites: RD30, BT113 or WR115, and MTH60 or MTH63 or designated placement test scores. Offered fall and spring terms.

WLD250 Variable credit
Selected Topics in Welding
Focuses on specific areas of welding to further students' needs for advancement in their jobs or desire to further their skills in a specific area of welding or fabrication. Provides extensive hands-on training using a specific welding process on ferrous and non-ferrous metals. Prerequisite: Permission of instructor.

WLD260 1 credit
AWS Certification Seminar: Pipe
Covers the definition, application and interpretation of the American Welding Society (AWS) Structural Welding Code D1.1. Upon completion of this class students are eligible to take the AWS practical FCAW, GTAW and/or SMAW Unlimited Tests. If passed successfully, students will be awarded the AWS Unlimited G6 welding certification. Prerequisites: WLD 112 with "C" or better, completion of all program prerequisites, or instructor approval. Offered infrequently.

WLD280 Variable credit
Cooperative Work Experience/Welding
Cooperative Work Experience is an educational program that enables students to receive academic credits for on-the-job, experiential learning based on skills acquired in their programs. Together, the instructor, employer, and student establish learning objectives that specify the significant and appropriate learning which is expected to result from the work experience. This course offers a career-related experience for students working for an approved employer. As a capstone course, it should be completed within the last two terms of a certificate or degree program. Prerequisite: Permission of instructor.

WORKFORCE TRAINING

.412 0 credits
Adult Driver Education
Provides behind-the-wheel instruction for adult drivers and prepares them to perform driving tasks in accordance with the standards of the Department of Motor Vehicles. Course is graded on a pass/no pass basis.

.499 0 credits
Driver and Traffic Safety Education
Driver education students will learn to be safe, efficient drivers in today's driving environment. Special emphasis is on the decision-making process, development of defensive driving skills, and the establishment of a responsible approach to driving. Course is graded on a pass/no pass basis. Prerequisite: Students must have one of these Oregon DMV documents: 482.160 special permit for persons over the age of 14; 482.161 instructor or beginning's permit for those 15 or older; 482.162 30-day temporary permit issued by Salem DMV to prepare an operator for a special test.

.601 0 credits
Foreign Language
Introduces beginners to basic vocabulary and conversational skills in a variety of languages including French, Italian and Spanish.

.659 0 credits
Retirement Planning
Students will learn investment basics to make good financial decisions. Blends financial education with life planning to help build wealth, align money and values, and achieve retirement lifestyle goals.

.661 0 credits
Neighborhood Leadership Academy
Increases communication, cooperation with others, and self-awareness around issues of civic engagement and effective communication-enhanced dialogue in personal, community, school and work settings. This course emphasizes leadership, networking, resource development, community assessment and coordination, as well as project planning.

.701 0 credits
Computer Applications
Provides hands-on training in a variety of computer applications.

.703 0 credits
Welding
Covers the safe use of basic welding processes including mig, stick welding, oxyacetylene welding and cutting for the workplace. Geared to individuals wanting to improve their welding skills.

.779 0 credits
Volunteer Training
Explores the skills needed for helping others as community volunteers.

.850 0 credits
Physical Fitness/Health
Provides physical fitness classes and various consumer health topics that encourage and promote a healthier lifestyle.

.902 0 credits
Adult Driver Education
Offers eight to 12 hours of behind-the-wheel instruction for adult drivers and prepares them to perform driving tasks in accordance with the standards of the Department of Motor Vehicles. Course is graded on a pass/no pass basis.

.903 0 credits
Weight Equipment Use and Safety
Prepares and encourages students and staff members to begin a physical conditioning program to maintain lifelong health. Emphasizes proper and safe warm-up, stretching, aerobic, and weight training equipment techniques.

9.003 9 continuing education units
Workforce Retention Skills
Provides general workforce skills such as resume writing and cover letters; preparing for the job search process; giving the best answers to common interview questions; job retention and advancement; workplace expectations, office politics and successful communication strategies.

9.006 Variable continuing education units
Staff and Program Development
Provides a forum for providing ongoing staff development training in a variety of subjects.

9.016 1 continuing education unit
Art Workshop for Professionals
Explores various techniques in a variety of media to enhance the skills of professional artists. Skills in preparing portfolios for the new medium, marketing and presentation standards, and strategies for purchasing specific materials and supplies are included.

9.019 .6 continuing education units
Traffic Control Flagger Certification
Provides necessary skills and knowledge in the fundamental principles of traffic control and safety in the work zone for work crews. Promotes the safety requirements for flaggers controlling traffic in a work zone and shows how to establish proper warning and traffic control of motorists for workers' safety. Prerequisite: Employment in construction road building or public utilities company and all governmental entities where flaggers are used to control traffic along the shoulder or on roadways.

9.025 1 continuing education unit
Commercial Driver License Seminar
Provides individuals the opportunity to upgrade skills to pass the Oregon Department of Motor Vehicles (DMV) Class A or B written and drive test. Topics covered include introduction to systems, federal and state regulations, and pre-trip inspections. A variety of driving conditions, gear control, operation safety, stopping procedures, and off-tracking will be covered. Students will have the opportunity to operate tractor/trailers on and off the road. Students must have a valid Oregon Class C license, Oregon CDL permit, current DOT physical with medical card, and employment requiring CDL to meet employer job requirements of career advancement.

9.035 1 continuing education unit
Safety in the Workplace
Provides training for supervisors to direct safety and accident prevention activities, and empowers workers to get involved in workplace safety and accept responsibility for their own actions.

9.037 Variable continuing education units
Oregon Safety Training
Occupational safety and health training for employers and
employees are offered in seminar formats throughout the year. Topics include lockout-tagout, fall protection, hazard communication, and evacuation safety. Prerequisite: Employment in business or industry that requires employee safety training.

9.050 1.6 continuing education units Small Engine Maintenance
Covers common troubleshooting and maintenance requirements of two- and four-stroke gas engines. Emphasis is on equipment designed for commercial use where service schedules and troubleshooting are a daily part of operation. Prerequisite: Employment in landscape or other fields requiring use of two- and four-stroke engines.

9.131 4 continuing education units Electrical Supervisor Exam Preparation
An in-depth look at the National Electrical Code (NEC) 2005 edition. The Oregon 2005 Specialty Code will be discussed as it applies to each article of the NEC 2005. Covers all pertinent material in preparation for taking the Oregon electrical supervisor's exam. Upon completion, participants should be prepared to take the examination.

9.132 3.6 continuing education units Supervisor Training Topics
Provides updated information that effects the everyday operation of a construction project. Topics include safety, technology, supervisory skills, estimating and contracting techniques, legal requirements, and equipment operation. Prerequisites: Employment as a contractor, field supervisor, estimator, safety director, project manager, general construction contractor, trade worker or involved in some way with the building trades.

9.133 2 continuing education units Oregon CCB Contractor Education
Designed and approved by the Oregon CCB to meet the educational requirements for Oregon contractor licensure. The goal is to educate potential contractors in areas that will help them obtain Oregon CCB registration and allow existing Oregon licensed contractors to receive the Oregon-mandated education for license renewal. An additional goal is to allow contractors to make intelligent business decisions that lead to business profits.

9.134 .8 continuing education units Electrical Exam Preparation
Reviews electrical code, procedures and applications necessary to function as a licensed electrician in the state of Oregon. Topics vary and may include branch circuits, conductors, math and theory, motors, grounding, general calculations, residential wiring applications, special conditions, etc.

9.136 4 continuing education units Limited Maintenance Electrician (LME) Update
Prepares individuals to pass the limited maintenance electrician exam. Covers National Electrical Code articles appropriate to the LME license; Oregon statutes, administrative rules, and electrical specialty code; the basics of electricity; Ohm’s Law, voltage drop calculations, horsepower/ampere calculations; and safety procedures.

9.137 3.6 continuing education units Limited Energy Technician Update
Meets requirements established by the Oregon legislature to revamp all limited energy licenses. Prerequisite: Students must hold an A or B Restricted Energy Technician (RETs) level license.

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9.139 1.6 continuing education units Code Update
Provides updates on code changes and requirements for plumbers, electricians, millwrights, and heating/air conditioning service/installers. Covers technical requirement changes, codebook layout/fast-finder assistance, material usage, new legislation, and safety and job specifications.

9.140 1.6 continuing education units Code Related Update for Electricians
Updates current field topics needed by individuals working in the structural, mechanical, electrical, and or architectural. Applies technical knowledge and skills to maximize efficiency. Topics include understanding mathematical principles for electrical calculations; plan review; residential and industrial installations; building renovations and remodeling; impacts of 2005 NEC changes; demonstration of new installation techniques; principles of troubleshooting; new technology in the industry; and basic principles of artificial lighting design. Prerequisite: Concurrent enrollment in EET101.

9.160 .5 continuing education unit Forklift Operator Training
Provides the skills necessary for forklift operators to carry out the requirements of moving large and heavy materials from one location to another in a safe manor with a forklift. OSHA approved. Prerequisites: Employment in a food processing or manufacturing operation requiring skill in materials handling by using a lift truck (forklift) or past experience that provides evidence of good mechanical skills.

9.251 5.4 continuing education units Entrepreneurship Management
Integrates real-world experience with a highly-engaged classroom environment. The goal is to enable student entrepreneurs to optimize the successful launch and ongoing operations of a business. The learning experience is designed for an array of students ranging from participants who may have a business idea and want to learn about the practical aspects of starting a business, to those who intend to start and run their own businesses, as well as potential participants who are already operating a business, but need assistance with various aspects. The curriculum entails a variety of business classes that will be taught in an environment that takes students from the “idea” stage to “concept/product launch” stage and beyond.

9.252 Variable continuing education units International Trade
Focuses on how to establish or expand markets globally through formal courses as well as free business counseling.

9.253 Variable continuing education units Business Forums
Reviews various business-related topics to help small business owners and their employees be successful.

9.254 Variable continuing education units Business Planning for Success
Introduces business plans to business owners to help them understand why they need a business plan, how to develop a business plan, and how to use a business plan for business success. The key element of the course is to increase the chances of business success through business planning, managing and growth strategies.

9.257 1.2 continuing education units Using Social Media in Your Business
Trains business owners and managers in the use of social media such as Facebook, Instagram and Twitter, and enables them to evaluate a variety of social media forms to use as marketing tools for their businesses. Also addresses the value of a social media marketing plan to be successful.

9.258 .8 continuing education credits Using Facebook for Business
Helps business owners and managers evaluate Facebook as a marketing tool for their businesses and what is needed to maintain a successful page. Provides the steps to create a Facebook business page, manage content, interface navigation, and guidelines about content, posts, conflict/negative feedback resolution. Demonstrates techniques to manage content including how to add photos, graphics, videos, links, and create coupons, special offers, and other techniques to attract and engage customers.

9.259 .6 continuing education units Marketing Strategies
Addresses business owners and managers to successfully market and advertise a business. Includes information on market research, mission statements, marketing plans, advertising, creating a business image, and gaining publicity.

9.262 Variable continuing education units Small Business Management A
Provides instruction and counseling in business management for small business owners. Consists of monthly class meetings and confidential counseling sessions at the business site. Class participation is limited to non-competing businesses.

9.263 Variable continuing education units Small Business Management B
Continues instruction and counseling in business management for small business owners. Consists of monthly class meetings and confidential counseling sessions at the business site. Class participation is limited to non-competing businesses. Prerequisite: 9.362.

9.274 1.2 continuing education units Providing Outstanding Customer Service
Assists participants in identifying internal and external customers and how to deal with them effectively to improve productivity, relations, and the bottom line through the basic rules involved in good customer service. May include telephone skills as well.

9.275 2 continuing education units Retail Sales and Customer Service
Prepares individuals for continuing employment in retail sales. Topics covered include communication in the workplace, worker ethics, handling money, merchandising, safety, and security and loss prevention. Prerequisite: Employment or interest in becoming employed in a retail sales field.

9.276 4 continuing education units Selling and Presentation Skills
Small business owners will learn about closing sales, growing a business and becoming market leaders. Students will gain the confidence and necessary skills to be competitive.

9.278 Variable continuing education units Insurance Agent Continuing Education
Focuses on various topics that meet the continuing education requirements for insurance agents. Prerequisite: Each participant must be an insurance agent.

9.350 4 continuing education credits Wildland Continuing Education
Covers a variety of topics including wildland firefighting, urban interface fire protection, and emergency scene management. Content is designed to meet National Wildfire
Coordinating Group, National Incident Management System, and/or National Fire Protection Association standards specific to the coursework. Also includes continuing education and refresher training.

9.411 1.6 continuing education units
Wilderness First Aid
In collaboration with Wilderness Medicine Institute and The Siskiyou Field Institute, teaches recognition, treatment principles, decision-making skills, and prevention of wilderness emergencies. Covers wilderness medicine topics for people 16 and older who travel and work in the outdoors. Certification is valid for two years.

9.412 3 continuing education units
Ensuring Quality Care - Adult Foster Care Provider Training
Covers state rules and regulations for becoming an adult foster care provider. Anyone planning to own an adult foster home (AFH) or work in one as the resident care manager is required to attend and pass this class. This training is also valuable, but not required, if you are only a regular employee in an adult foster home. Course is graded on a pass/no pass basis.

9.414 8 continuing education units
Wilderness First Aid Responder
Wilderness first responder training focuses on teaching students to assess situations, improvise solutions using available resources to stabilize patients, and identify the best way to get patients to definitive medical treatment from remote locations.

9.420 variable continuing education units
EMT Continuing Education
Provides continuing medical education and/or remediation to licensed EMS providers as is sometimes required by the National Registry of EMTs (NREMT). The course is based on the NREMT provider continuing education requirements as specified in OAR 333-265 and NREMT recertification guidelines. Additional topics relevant to practice as an EMS provider in the state of Oregon will be covered when appropriate.

9.422 12 continuing education units
Community Health Worker
Approved by the Oregon Health Authority, prepares students to be certified as community health workers in Oregon. Provides training in front-line public health care with an understanding and connection to the communities served. Also provides training in facilitating patient access to health and social services and to improve the quality and cultural competence of service delivery. Trains students to provide culturally appropriate health education and information, assist people in receiving the care they need, give informal counseling and guidance on health behaviors, advocate for individuals and community health needs, and provide some direct services such as first aid and blood pressure screening.

9.423 5.6 continuing education units
Peer Support Specialist
Provides support, encouragement, and assistance to mental health consumers by promoting activities that foster recovery and empowerment. Students become consumer advocates who facilitate linkage to needed services and activities; provides expertise and consultation to the team to promote a culture in which consumer's preferences are recognized, respected, and integrated into treatment; and demonstrates personal experience with the mental health recovery process, through receiving treatment either for themselves or assisting a close household/family member. Prerequisites: Self-identified individuals currently or formerly receiving mental health services, are at least 18 years of age, and not listed on the Medicaid provider exclusion list.

9.425 1 continuing education unit
Mental Health First Aid
Introduces mental health and social service workers to risk factors and warning signs of mental illnesses, builds understanding of their impacts, and addresses an overview of common support possibilities. Like in CPR, the course prepares participants to interact with people in crisis and connect them to help. Discussion topics, exercises, and other activities keep students engaged in the course and provide an opportunity to practice helping skills as a mental health first aider.

9.428 1.1 continuing education units
Introduction to Basic ECG Interpretation
Focuses on a basic introduction and understanding of electrocardiograms (ECGs). Covers information needed to interpret ECGs including anatomy and physiology of the human heart and how it relates to the ECG. Students will also learn basic electrophysiology and how to interpret sinus rhythms and ventricular rhythms. This course will periodically discuss patient conditions related to an electrocardiogram and make suggestions towards the treatment of those patients. Information from this course introduces the participant to basic understanding of ECG interpretation.

9.435 1.6 continuing education units
Advanced Cardiac Life Support (ACLS) Provider
Addresses the core knowledge necessary to evaluate and manage an adult victim of a cardiovascular emergency or cardiac arrest. Highlights the importance of team dynamics and communication, systems of care and immediate post-cardiac-arrest care. Skills are taught in large, group sessions and small, group learning and testing stations where case-based scenarios are presented. A valid AHA BLS Health Care Provider Card is required along with a basic understanding of ECG interpretation and emergency cardiac pharmacology. Prerequisites: AHA BLS Health Care Provider Card and basic ECG interpretation skills, as well as emergency cardiac pharmacology knowledge.

9.436 .8 continuing education units
Advanced Cardiac Life Support (ACLS) — Renewal
Addresses the core knowledge necessary to evaluate and manage an adult victim of a cardiovascular emergency or cardiac arrest. Highlights the importance of team dynamics and communication, systems of care and immediate post-cardiac-arrest care. Skills are taught in large group sessions and small, group-learning and testing stations where case-based scenarios are presented. A valid AHA BLS Health Care Provider Card is required along with a basic understanding of ECG interpretation and emergency cardiac pharmacology.

9.437 .4 continuing education credits
CPR/First Aid/AED
Provides instruction and qualification in the use of cardiopulmonary resuscitation (CPR), first aid, and automated external defibrillators (AED). The course provides certification under American Heart Association or Medics First Aid guidelines and participants receive the respective certification cards. This course is specifically for employees who require this type of certification in the workplace.

9.438 .5 continuing education units
CPR Basic Life Support Provider
This course is an initial BLS Provider course. Presents lecture and manikin practice in the principles of giving one- and two-person adult, child, and infant cardiopulmonary resuscitation; airway obstruction; and AED use. Successful completion leads to a Basic Life Support (BLS) Provider card and certification.

9.439 .3 continuing education units
CPR Basic Life Support Provider — Recertification
This course is for current BLS Provider card holders who want to recertify. Presents lecture and manikin practice in the principles of giving one- and two-person adult, child, and infant cardiopulmonary resuscitation; airway obstruction; and AED use. Successful completion leads to a Basic Life Support (BLS) Provider card recertification.

9.450 Variable continuing education units
Massage Therapy Continuing Education
Designed to provide continuing education hours in the areas related to the practice of massage and bodywork. Prerequisites: Must be a licensed massage therapist in Oregon.

9.457 1 continuing education unit
Medical Assistant Skill-up
Prepares current medical assistants for the Certified Clinical Medical Assistant (CCMA) certification through the National Health Careers (NHA) Examination, which meets "meaningful use" compliance for clinics and physicians who treat Medicare patients. The course consists of lecture, critical thinking activities, online practice exams, videos and role playing, and practice of skills and procedures as outlined in the exam content on the NHA website. Topics include review of administrative front-office skills, EHR, anatomy and physiology, ethics and medical law, clinical and back office procedures, phlebotomy, lab processing, communication skills and medical terminology. Also included are EKG, medication, pharmacology and general patient care. Students will be provided with electronic study materials as well as a packet of skills and procedures.

9.460 2 continuing education units
Advanced Health Care Topics
Focuses on a variety of topics dealing with advanced health care issues.

9.461 6 continuing education units
Expanded Functions Dental Assistant (EFDA) - Sealants
Prepares certified dental assistants with expanded functions (in Oregon) to place and fissure sealants while under the indirect supervision of a dentist.

9.464 1.6 continuing education units
Dental Training Update
Provides continuing education hours in the areas related to the practice of dentistry.

9.466 2 continuing education units
Expanded Duties Dental Assisting
Prepares students for the written portion of the Dental Assisting National Board’s (DANB) exam in expanded functions for the chairside dental assistant (EFDA). Expanded functions are determined by the Oregon Board of Dentistry, and may change without prior notice. The class is designed to prepare students in the following sections: placing matrix bands; polishing amalgam fillings; cement removal; taking impressions; coronal polishing; and fabricating temporary crowns.

9.466.3 continuing education units
Expanded Functions Dental Assisting Lab
Optional lab for working dental assistants. Prepares students for the written portion of the Dental Assisting National Board’s (DANB) exam in expanded functions for the chairside dental assistant (EFDA). Expanded functions are determined by the Oregon Board of Dentistry, and may change
9.467 4.4 continuing education units Dental Radiology
Prepares students for the Dental Assistant National Board (DANB) exams: written Radiation Health and Safety Exam and the Clinical Exam in Radiologic Proficiency. Successful completion of both exams earns the student a certificate in Radiologic Proficiency from the state of Oregon, which legally allows the student to expose radiographs. Successful completion of both exams also fulfills one of DANB’s three CDA components.

9.467A 4 continuing education units Dental Radiology Clinical Lab
Prepares students for the Dental Assisting National Board’s (DANB) Clinical Exam in Radiologic Proficiency. Successful completion of this exam is one of two requirements for a student to earn a certificate in Radiologic Proficiency from the state of Oregon, which legally allows the student to expose radiographs. Successful completion of both radiology requirements also fulfills one of DANB’s three CDA components.

9.468 2 continuing education units Infection Control
Prepares students for DANB’s Infection Control exam, a component of the CDA exam. Includes the following sections: patient and worker education, prevention of cross contamination, maintaining aseptic conditions, performing sterilization procedures, environmental asepsis and occupational safety.

9.469 3 continuing education units Chair-side Assisting
Prepares students for Dental Assistant National Board (DANB) exams: state certification through the Oregon Basic Exam and/or national certification through the General Chair-side exam (check with DANB to confirm eligibility requirements). Includes collection and recording of clinical data; chair-side dental procedures; oral anatomy; chair-side dental materials (preparation, manipulation, application); lab materials and procedures; patient education and oral health management; infection control procedures; occupational safety; legal issues; prevention and management of emergencies; and office management procedures.

9.501 .8 continuing education units Leadership for Small Business Owners and Managers
Introduces high-impact leadership for small business owners and managers. Reinforces the mission, vision, and goals of their enterprises to owners and managers, and encourages them to take their enterprises to new heights in performance excellence. Prerequisite: Employed as business and industry owners and managers.

9.509 .6 continuing education units Introduction to Conflict Management
Increases skill in managing responses to conflict in an organization to increase effectiveness as a business owner and supervisor. Explores the primary conflict situations and strategies and how each impact a successful supervisor. Prerequisite: Manager and staff supervisor experience is preferred.

9.510 1.6 continuing education units Continuous Process Improvement
Provides participants with information and practice in process management and improvement using a comprehensive simulation for practicing the quality tools of CPI. Prerequisite: Completion of Foundations of Quality Training will be helpful.

9.512 .8 continuing education units Train the Trainer
Designed for individuals who are considering becoming independent instructors in the field of customized training to meet the information and technology growth that is overtaking business and industry. Includes entry-level, specialized, technical, and tailored training. Presents specific tips, techniques, and approaches to establish better employee/student training and develop excellent instructional courses. Prerequisite: Desire to provide technical instruction for fellow employees or students.

9.513 2.4 continuing education units Managing People
Focuses on effectively working with employees. Through discussions, exercises, and self-examinations, managers will learn to increase efficiency and productivity through thinking strategically, communicating effectively, motivating staff, working as a team, evaluating employees, setting goals, adapting to change, coping with stress, and delegating.

9.518 1.2 continuing education units Call Center Training
Teaches call center managers, front-line staff and supervisors, training specialists, and quality monitoring/assurance specialists the components needed for developing a quality assurance program and tools.

9.520 2.4 continuing education units Leadership Skills for Managers
Focuses on understanding what motivates people and the principles of planning, management, and communication. Students develop a consistent, personalized style of leadership that fits them and their work environments. This course helps students identify personal and managerial strengths and use them to hone their leadership abilities, increase productivity by using personal influence and one-on-one motivational techniques, develop practical strategies that encourage innovation and creativity, and adopt a leadership style that is consonant with the student and their company.

9.526 2.4 continuing education units Human Resources Essentials: Safe Hiring, Managing and Firing Practices
Studies the legal requirements and best practices of effective management. The course focuses on the laws that govern hiring employees and independent contractors including managing, developing policy and procedure manuals, and firing decisions so students learn to make safe, effective business decisions for themselves and their companies.

9.528 1.2 continuing education units Project Management
Provides the essential basics of project management including framework, planning, and execution of projects covering all scopes and types of projects independent of software.

9.549 2.4 continuing education units Fundamentals of Finance and Accounting
Applies basic bookkeeping and payroll procedures in the business or professional environment. Students will be able to understand and use financial statements such as profit and loss statements, cash flow and balance sheets.

9.570 .9 continuing education units Business Survival - Job Costing and Managing Expenses
Provides business owners and managers with training to allow them to profitably bid and estimate products and services by taking all costs into consideration. Includes study in marketing, presentation, preparation, closing and follow up.

9.629 1.2 continuing education units Water Treatment, Collection, and Distribution Training
Provides water treatment, collection, and distribution training for water treatment employees preparing for state licensure or license holders fulfilling continuing education requirements. Topics are presented in seminar formats throughout the year.

9.632 1.2 continuing education units Crystal Reports
Covers basic and advanced-level skills in Crystal Reports such as creating, viewing, saving and modifying reports, absolute and conditional formatting, sort and select records, grouping, summarizing, formulas and functions, using experts and wizards, and exporting and distributing reports.

9.710 9 continuing education units Microsoft Access
Focuses on how to use the data base features in Microsoft Access within the Windows environment. Topics include how to create, use, and maintain a data base, creating and changing the structure, search conditions on records, and adding/deleting records. Prerequisites: Employment by a public agency or private business, or membership in a professional organization requiring continuing education units (CEUs) for skill enhancement.

9.722 4 continuing education units Smartphones for Your Business
Covers the diverse functionality of smartphones (both Android and iPhone). Business owners can be more efficient and effective by following step-by-step guidelines to create connections to email, Facebook, order systems and customer information. Smartphone cameras can document and share information instantly from scope of work and bids or estimates to job progress, completion and billing.

9.723 .8 continuing education units Internet and Email Essentials for Business Owners
Introduces business owners to security guidelines, changing a homepage, using search engines, and downloading and printing information. Students will be introduced to common email application functions and features.

9.725 1 continuing education units Adobe Acrobat Standard
Teaches business professionals to reliably create, combine, and control Adobe PDF documents for easy, secure distribution and collaboration.

9.729 1.2 continuing education units PowerPoint Presentation
Introduces the use of PowerPoint to create and enhance presentations. Prerequisites: Employment by a public agency, private business, or membership in a professional organization requiring continuing education units (CEUs) for skill enhancement.

9.732 .8 continuing education units Computer Essentials for Business Owners
Includes hands-on introduction to the computer environment in which participants will learn the essential skills for using a computer. There will be instruction and exercises in performing routine tasks using common keyboard and mouse functions. This course is intended for business clients who are new to computers and/or have limited experience. Topics will be presented and discussed in relatively non-technical terms.
9.736 3.0 continuing education units
Quickbooks
Covers beginning, intermediate and advanced functions in the QuickBooks accounting system. Covers setting up sales and accounts receivables, bank deposits, inventory, labor charges, invoicing, statements, purchasing, accounts payable, bank reconciliations, customized reports, payroll, and advanced financial reporting.

9.741 1.6 continuing education units
Microsoft Excel
Covers all features and levels of Microsoft Excel.

9.742 2.4 continuing education units
Microsoft Word
Covers all features and levels of Microsoft Word in the Windows environment.

9.745 1.6 continuing education units
Clerical Skills Update
Students will be able to construct sentences using proper grammar and punctuation; use appropriate abbreviations and symbols; clarify words often confused and misused; use effective proofreading and editing techniques; ensure appropriate formatting; construct professional business letters, memorandums and other office communications; and distinguish between different forms of address. Prerequisites: Employment in a clerical position requiring skill enhancement.

9.746 1.2 continuing education units
Business Management Tools with Excel
Covers business management features and functions of Microsoft Excel. This course will introduce business owners, managers, and entrepreneurs to the capabilities and features of Excel that enable the management, analysis, and presentation of financial, sales, marketing, and production business information.

9.807 1.2 continuing education units
Pesticide Applicator Training
Covers the basics of pesticide applications and prepares students to pass the pesticide applicator test. Prerequisite: Students employed in a field requiring pesticide applicator license to perform job description.

9.826 1.2 continuing education units
Wine Grape Horticulture
Provides valuable information to grape producers on subjects that include irrigation, soil nutrition, vine physiology, vineyard management, vineyard site selection, introduction to wines, wine marketing, business planning, and viticulture practices.

9.827 1.8 continuing education units
Forest and Natural Resource Management
Teaches a variety of skills to forestland owners, forestry contractors, natural resource professionals, and small acreage owners to help protect, manage, or simply promote the ecology of local trees and forests.

9.829 1.8 continuing education units
Horticultural Cottage Industry
Focuses on marketing skills, ways to increase production and management of crops, and cost effective and efficient skills needed for those in various horticultural cottage industries.

9.834 2.0 continuing education units
Agriculture Update
Explores the various techniques to improve management of crops and livestock for professional farmers and ranchers.

9.835 1.6 continuing education units
Landscape Technology Update
Updates current field practices for individuals working in landscape maintenance, architecture design or other contracting trades.

9.844 .9 continuing education units
Ornamental Pruning
Covers various styles and techniques of ornamental pruning and planting of trees and shrubs. Thinning, heading back, hedging, espalier, topiary, bonsai, pollarding, and other styles will be demonstrated. Hands-on practice will be included in garden and greenhouse settings utilizing specialized tools and materials.

9.845 .9 continuing education units
Vegetative Propagation
Covers techniques used by professional growers to obtain plants by methods other than seeding. These include cuttings, divisions, and layering.

WR30 4 credits
Fundamentals of Composition II
Introduces the basic five-paragraph essay form while reinforcing sentence skills and paragraph development. Critical thinking and reading are emphasized. Prepares students for transfer-level coursework and, specifically, for WR115. If a high proficiency is demonstrated on an in-class writing exam, there is a process in place that allows students to meet the outcomes for WR115 and be eligible to enroll in WR121. Course is graded on a pass/no pass basis. Prerequisite: Designated placement test score. Course does not transfer.

WR115 3 credits
Introduction to Expository Writing
Reviews the basic conventions, purposes, and strategies of college-level writing with an emphasis on in-class writing. Course will survey a variety of rhetorical modes and prepare students for impromptu questions and essays. Prerequisites: RD30 and WR30 or designated placement test scores.

WR121 4 credits
English Composition I
Covers a range of rhetorical situations and genres of writing, centering on argument. Students learn to read and analyze others' writing and then respond with their own views, showing an awareness of their purpose and audience. The class culminates in a short argumentative research paper. Prerequisites: RD30 and WR115 or designated placement test scores.

WR122 4 credits
English Composition II
Focuses on scholarly investigation and the proper use of sources and documentation. Major emphasis is on writing research papers that are acceptable by APA standards. Prerequisites: WR121 or equivalent; BA131, CS120 or above, or a passing score on the computer proficiency exam strongly recommended.

WR185 2 credits
Understanding English Grammar
Explores the structures of the English language and applies skills gained to proof and edit college-level writing. Students will be able to make conscious choices of grammatical formats to express themselves clearly and to minimize grammar errors in their own papers. Prerequisites: RD30 and WR30 or designated placement test scores.

WR199 Variable credit
Special Studies: Writing
Explores special topics in writing including novel and journal writing as well as discipline-specific discourse conventions and professional preparedness.

WR227 4 credits
Technical Writing
Designed for students planning to enter professions that require knowledge of researching and organizing data and presenting professionally written reports and documents with worthwhile content, sensible organization, readable style, use of visuals/graphics, and appropriate form. Reports will use American Psychological Association (APA) format. Face-to-face classes require formal oral presentations. Course also fulfills transfer needs for students whose four-year transfer institution requires instruction in technically written and formatted documents. Class is writing intensive and requires extensive time in research and writing outside of class. Computer application of skills is expected. Prerequisites: BA131 or CS120 and BT114 or WR121; public speaking ability is an asset; and BA214 and CS125w or graphics ability or desktop publishing skills strongly recommended.

WR241 4 credits
Imaginative Writing I
Offers students opportunities to express themselves through literary mediums. Students study models of short stories, poetry, personal memoirs, and do original work in each of these genres. Includes analysis and discussion of students' work. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

WR242 4 credits
Imaginative Writing II
Offers students opportunities to express themselves through literary mediums. Students study models of short stories, poetry, personal memoirs, and do original work in each of these genres. Includes analysis and discussion of students' work. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

WR243 4 credits
Imaginative Writing III
Offers students opportunities to express themselves through literary mediums. Students study models of short stories, poetry, personal memoirs, and do original work in each of these genres. Includes analysis and discussion of students' work. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).
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Josephine County
Dean Wendle
Zone 2
Josephine County
Brett Johnson
Zone 3
Jackson County
Patricia (Pat) Ashley
Zone 4
Jackson County
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Timothy (Tim) Johnson
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Ronald (Ron) G. Fox
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Administration
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Kori Ebenhack
vice president, Student Services
Chief Student Services Officer
Kirk Gibson
vice president, Instructional Services
Chief Academic Officer
Curt Sommerfeld
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Christina Kruger
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Susan Panisello
Pamela Petersen
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Josh Welch
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Judy Basker, executive director
Management, Faculty, and Staff

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contract specialist, Purchasing

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Robert Bigelow

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Linda Wagner, faculty/department chair, Nursing; B.S.N., Walla Walla College, 1975; M.N., Oregon Health Sciences University, 1986


Grant Walker, director, Marketing and public information officer; A.A.S., Television Production Technology, Mt. Hood Community College, 1978; B.A., English, Portland State University, 1980; M.F.A., Theater/Playwriting, Southern Illinois University, 1987

Valerie Wallace, administrative assistant III, Instructional Services; Public Safety Office Assistant certificate, Rogue Community College, 1999

Katie Ward faculty, Science; B.S. Biology with Cell/ Molecular Emphasis, Southern Oregon University, 2007; M.A. Teaching, Southern Oregon University, 2011

Kathryn Watson human resources specialist III, Human Resources

Melissa Kaye Weast, administrative assistant III, Nursing; A.S., Legal Office Management, Oregon Institute of Technology, 1985

Barbara Wicks enrollment specialist, Enrollment Services; A.A.O.T., Rogue Community College, 1995; B.S., Environmental Studies, University of Oregon, 1998

Katharine Wicks, admission coach, Recruitment; A.A.O.T., Rogue Community College; B.S., Natural Horsemanship with Business Management, University of Montana, Western, 2008

Ted Willhite, faculty, Business Technology; B.S., Chemistry, University of California, Berkeley, 1974; M.B.A., Finance, Santa Clara University, 1984


Pat Winterbottom, administrative assistant II, Marketing, Student Services; A.A., Rogue Community College, 1993

Sarah Wofford, accounting specialist II, accounts receivable, Budget and Financial Services; A.A., General Studies, Rogue Community College, 2011

Jennie Wood, assistant to the vice president, College Services

Daniel Wu navigation coach, Allied Health Advising, TAACCCT; B.A., Economics, Simon Fraser University, Vancouver, BC, 2000; M.Ed., Higher Education Student Affairs, University of Southern California, Los Angeles, CA, 2009

Jennifer Wytcherley, transition specialist, TRiO Talent Search

Colletta Young, director, TRiO/Student Support Services
Adjunct faculty

Rogue Community College values the contributions of its many adjunct faculty members who may serve as tutors, instructors, counselors, coordinators, or lab assistants.

The following are faculty who were contracted to teach part-time in 2015-16.
The RCC Board of Education may grant president, vice president, dean or faculty emeritus status to retiring employees. Emeritus status is reserved to honor individual(s), at retirement, who have provided outstanding and distinguished service to the College, which means work that exceeds average, satisfactory performance in carrying out the routine responsibilities of his/her appointment and demonstrates an extraordinary impact on the College or the community. The nomination process includes a nomination letter from the president or Board Chair before June 30th of the employee’s retirement year. Nonetheless, the title of emeritus may be awarded posthumously. The recommendation must be approved by a majority of the Board.

Peter Angstadt,  
president emeritus

Laura Ault,  
faculty emeritus, Business Technology

D. Thomas Bradbeer,  
dean emeritus, Human Resources and College Advancement

Jerry Bryan,  
faculty emeritus, Humanities

Leslie Bryan,  
faculty emeritus, Adult Basic Education

Kathleen A. Burkey,  
dean emeritus, Redwood Campus

Pedro Cabrera,  
faculty emeritus, Respiratory Care

Sue Calkins,  
faculty emeritus, Adult Basic Education

Dr. Galyn Carlile,  
dean emeritus, Instruction/Growth Initiatives

Carolyn Chancler,  
faculty emeritus, Adult Basic Education

Rex Chapman,  
faculty emeritus, Business and Office Technology

Margaret Cunningham,  
faculty emeritus, Academic Skills

Jeannette Cappella,  
faculty emeritus, Language Arts

Steven Flannery,  
faculty emeritus, Academic Skills

Dr. David Fuller,  
faculty emeritus, Science

Gary Gates,  
faculty emeritus, Science

Francine Gentile,  
faculty emeritus, Social Science/Human Services

Linda Goodyear-Stevenson,  
faculty emeritus, Developmental Studies and Humanities

Sue Hall,  
faculty emeritus, Nursing

Roger Harding,  
faculty emeritus, Small Business Management

Richard Harms,  
faculty emeritus, Developmental Studies

Cynthia Hauser,  
associate dean emeritus, Instruction

Dorcas Herr,  
faculty emeritus, Language Arts

Dick Holliday,  
faculty emeritus, Mathematics

Marilyn “Jeanne” Howell,  
associate dean emeritus, Instructional Services

Robert Hutsell,  
faculty emeritus, JOBS Program

Dr. Terrance Johnson,  
faculty emeritus, Science

Barbara “Bobbi” Kidder,  
faculty emeritus, Humanities

Dennis Kimzey,  
faculty emeritus, Mathematics

Lutz Kramer,  
faculty emeritus, Humanities

Patti Kramer,  
faculty emeritus, Academic Skills; High School Outreach coordinator

Dr. Kathy Krauss,  
faculty emeritus, Humanities

Michael Laam,  
associate dean emeritus, Instruction

B.C. Lamb,  
faculty emeritus, Business Technology

Rick Levine,  
president emeritus

John Lopez,  
associate dean emeritus, Instruction

Cheryl Markwell,  
vice president emeritus, Instruction

Greg Marton,  
faculty emeritus, Social Science

Larry McLane,  
faculty emeritus, Motorcycle Technology

Marion Miller,  
faculty emeritus, Business and Office Technology

Tom Miller,  
faculty emeritus, Library

Billie Miracle,  
faculty emeritus, Art

Eleanor Marie Saunders Mueller,  
faculty emeritus, Business Technology/ Social Science/History

Larry Mullaly,  
director emeritus, Operations and Special Projects

Robert Murphy,  
faculty emeritus, Social Science

Dr. Harold O’Connors,  
faculty emeritus, Respiratory Care; coordinator, Academic Research and Assessment

Sue Orris,  
faculty emeritus, Counseling

Mollie Owens,  
faculty emeritus, Humanities

Walt Padgett,  
faculty emeritus, Art

Bonnie Reeg,  
faculty emeritus, Disability Services/Tutoring Center/Academic Skills

Linda Renfro,  
dean emeritus, Instruction

John Salinas,  
faculty emeritus, Science

Sylvia Thomas,  
faculty emeritus, Counseling

Laurie Van Riper,  
faculty emeritus, Adult Basic Education
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From Interstate 5
Exit 33 towards Central Point
Turn east onto E. Pine St.
E. Pine St. becomes Biddle Rd.
Turn left onto Table Rock Rd.
Turn right onto Antelope Rd.
Turn left onto Pacific Ave.

Map not to scale.
Driving distance may take longer than it appears.
## Time management tool

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